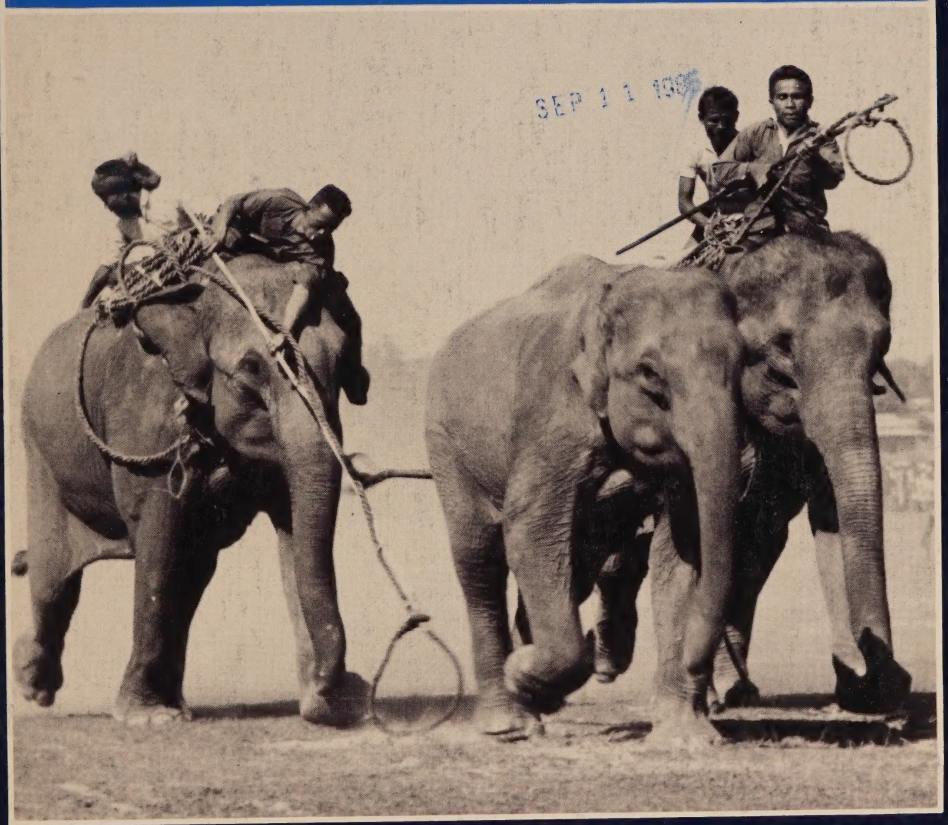
International Broadcasting Services, Ltd.

TROPICAL BANDS EDITION

RADIO DATABASE INTERNATIONAL

QUICK-ACCESS GUIDE TO SHORTWAVE BROADCASTING SCHEDULES



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RADIO DATABASE INTERNATIONAL

Part II: Tropical Bands Edition

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INTRODUCTION TO THE TROPICAL BANDS

What do shortwave broadcasters in China, France, Australia, Japan and Russia have in common?

Along with stations in such equatorial spots as Brazil, Burundi and Burma, they share portions of the radio spectrum known as the Tropical Bands.

That sort of geographical dispersion suggests that the term is something of a misnomer. For while many broadcasters on the lower shortwaves are located between the Tropics of Cancer and Capricorn, hundreds of stations in the temperate—and even the near-arctic—zones also use these frequencies. Tradition, however, is not always logical.

Strictly speaking, there are four tropical shortwave bands: 120 meters (2,300-2,495 kHz), 90 meters (3,200-3,400 kHz), 75 meters (3,900-4,000 kHz) and 60 meters (4,750-5,060 kHz). Many shortwave broadcasters can be found operating within those bands. But there are enough who use out-of-band channels to warrant including the entire frequency range from 2 to 5.73 Megahertz in the RADIO DATABASE INTERNATIONAL Tropical Bands Edition.

From a propagational standpoint, these lower shortwave frequencies are used for short and medium distance reception—not much more than 500 miles during daylight. Alert listeners soon learn, however, that long haul reception is both possible and likely over a path of darkness, although it may well be inconsistent, with some stations clearly audible one day but not the next. Additionally, signals on these frequencies tend to be of modest strength and subject to static, particularly during the warm season in the listener's area.

Perhaps a more accurate name for this part of the radio spectrum would be the domestic shortwave bands. Regardless of whether the stations are in the tropics or well outside the equatorial belt, they usually program purely for local or regional audiences.

This means that programs usually will be in the local language. Except for those places—such as Nigeria, Australia and India—that once were British colonies, that usually isn't English. But where it is, chances are you will get a more accurate feel for the country to which you're tuned. You are, after all, hearing what the home folks hear, rather than an image tailored specifically for an overseas audience.

Domestic shortwave programs from Latin America normally will be in Spanish or Portuguese. From Africa, Asia, and the Pacific islands, you might hear French or English, Chinese or Hindi, Swahili or Tamil, or others of the countless languages and dialects of these diverse cultures.

There are other reasons to listen to these "home grown" broadcasts from around the world. One is music, the universal language which needs no translation. Be it Peruvian huaynos, West African highlife, pulse-pounding Tahitian drumming, Chinese opera or Indonesian gamelan, the musical selection is fascinating shortwave entertainment without equal.

Another reason to listen to the Tropical Bands is because that is where the DX is. For some dyed-in-the-wool shortwave fans, this is *the* reason! On these lower shortwave frequencies lurk the challenging, far-away signals that test the station hunter's skills and equipment. This quest for hard-to-hear shortwave stations keeps bringing many back to the Tropical Bands.

Whatever your interest, I hope that this RADIO DATABASE INTERNATIONAL Tropical Bands Edition will serve you well as your "radio map" to the fascinating world of international domestic radio.

Don Jensen
Kenosha, Wisconsin

LEXICON OF TERMS

Alt—Alternative Frequency: Frequency that may be irregularly or unexpectedly brought into use in lieu of the regularly scheduled frequency.

AV—A Voz.

BC—Broadcasting, Broadcasting Company, Broadcasting Corporation.

BS—Broadcasting Service, Broadcasting Station.

Cd—Ciudad.

Channel—The norm for channel spacing within the shortwave broadcasting spectrum is 5.0 kHz. A small proportion of stations does not operate within this norm, so RDI provides frequency resolution to better than one kHz to aid in station location and identification.

Cl—Club, Clube.

Country—Country designations of officially recognized nations are those of the International Telecommunication Union. Unofficial broadcasters and geographical entities are included for reference purposes only and do not imply endorsement or recognition by IBS or the ITU.

Cu, Cult—Cultura, Cultural, Culture.

(D)—Winter schedule only.

DS—Domestic Service.

Ed, Educ—Educational, Educação, Educadora.

Em—Emissora, Emisora, Emissor, Emetteur.

EP—Emissor Provincial.

ER—Emissor Regional.

ES—External Service.

F—Friday.

Fade-in, Fade-out—If the RDI monitoring team cannot establish the definite sign-on (or sign-off) of a station, the earliest (or latest) time the station could be traced is entered, instead, as the fade-in (or fade-out) time.

Feeder, shortwave—A Fixed service (point-to-point) transmission, usually in single or independent sideband mode, beamed to a relay site. Although not intended for reception by the public, shortwave feeder transmissions, which can be received on better communications receivers, sometimes provide the best or only means for reception of a particular broadcaster at a given time. For this reason, selected shortwave feeder data is included in RDI, even though any given actual useage may be irregular. Transmission modes for shortwave feeders are:

- LSB—Lower Sideband (single-sideband signal)
- ISL—Lower Sideband (of independent-sideband signal)
- USB—Upper Sideband (single-sideband signal)
- ISU—Upper Sideband (of independent-sideband signal)
- RAM—Double Sideband, Reduced Carrier signal

FR—Federal Republic.

Frequency—The measurement most widely accepted to indicate the location of a station within the radio spectrum. Frequency is most often expressed in kilohertz (kHz) or Megahertz (MHz), although wavelength is still used in Eastern Europe and certain other parts of the world. The frequency of a station may be determined from the wavelength via the following formula: Frequency (kHz) = 299,792/Wavelength (Meters). Also, cf. "Wavelength" and "Channel".

Irr—Irregular operation or hours of operation; i.e., schedule tends to be unpredictable.

Is—Island(s).

(J)—Summer schedule only.

Jamming—Deliberate interference to a transmission with the intent of making reception impossible. The vast majority of jamming currently emanates from the Soviet Union and its Eastern European allies and is directed against broadcasts in Armenian, Azerbaijani, Belorussian, Bulgarian, Czech, Estonian, Georgian, Hebrew, Latvian, Lithuanian, Polish, Russian, Slovak, Tatar-Bashkir, Turkestani, Ukrainian, and Yiddish. Soviet/Eastern European jamming consists largely of a sound not unlike that of a roomful of truck or lorry engines roaring away. Coded messages appear now and then amidst the roaring, and in some instances distorted programming from the Soviet "Mayak" (DS-2) home service is mixed in, as well. One means to cope with jamming interference is to determine which bands are most likely to provide good reception from the part of the world you wish to hear, while at the same time are not likely to provide good reception from the Soviet Union and Eastern Europe. Directional antennas also can improve the signal-to-jamming ratio under certain circumstances.

kHz—Kilohertz (cf. Frequency).

kW—Kilowatt(s) (cf. Power).

Loc—Local.

Location—The physical location of the transmitter/antenna complex. This location may not correspond to the location of the studios in which the broadcasts are prepared. Data on location names are derived, in most instances, from the Map Section of the 1983 Comprehensive Edition of *The Times Atlas of the World.* As transmitter complexes of major international broadcasters are sometimes located in sparsely populated areas, the exact transmitter site may be up to several kilometers from the location indicated. Those in need of precise transmitter geographical coordinates should contact the Publications Department of the ITU.

LV—La Voix, La Voz.

M—Monday.

MHz—Megahertz (cf. Frequency).

Multilingual—A combination of any "graphics language" (Arabic, Chinese, English, French, German, Japanese, Portuguese, Russian, Spanish) with another language. Thus, a transmission in English and Urdu would be designated as Multi-

lingual, rather than English, whereas a transmission in Tamil and Urdu would be designated as Other.

N—New, Nueva, Nuevo, Nouvelle, Nacional, National.

Nac—Nacional.

Nat, Natl—National, Nationale.

Network—The network or service of a broadcast. Domestic Service transmissions are always so indicated by "DS".

Non-AM Mode—Transmission in other than the conventional double-sideband-with-carrier ("AM") mode (see "Feeder, shortwave" for list of non-AM modes).

PBS—People's Broadcasting Station.

Power—RF output power, i.e. before amplification by the antenna, in kilowatts (kW). The present range of powers in use for shortwave broadcasting is 0.04-600 kW.

PR—People's Republic.

PS—Provincial Station, Pangsong.

Pto—Puerto, Pôrto.

R—Radio, Radiodiffusion, Radiodifusora, Radiodifusão, Radiofonikos, Radiostansiya, Radyo, Radyosu, etc.

Reg—Regional.

Relay—Extraterritorial transmission facility, usually fed by recording, satellite, or shortwave feeder (cf.).

Rep—Republic, République, Republica.

RT, RTV—Radiodiffusion Télévision, Radio Télévision, etc.

RN—Cf. R and N.

RS—Radio Station, Radiostantsiya, Radiofonikos Stathmos.

S—San, Santa, Santo, São, Saint.

Sa—Saturday.

Shortwave Spectrum—The shortwave, or High-Frequency, spectrum is that portion of the radio spectrum that lies between 3-30 MHz (3,000-30,000 kHz); however, common useage places the shortwave spectrum between roughly 2-30 MHz. Although broadcasting takes place throughout the shortwave spectrum (between-band broadcasting is known as "out-of-band" broadcasting, which is sometimes permitted under the Rules and Regulations of the ITU), the recently-adopted—but not yet fully implemented—nominal ITU shortwave broadcasting band parameters are (worldwide unless otherwise indicated):

120 Meter Band:
2300-2498 kHz (Tropical Domestic Broadcasting only)

90 Meter Band:
3200-3400 kHz (Tropical Domestic Broadcasting only)

75 Meter Band:
3900-3950 kHz (Asia & Pacific only)
3950-4000 kHz (except Americas)

60 Meter Band:
4750-4995 kHz (Tropical Domestic Broadcasting only)
5005-5060 kHz (Tropical Domestic Broadcasting only)

49 Meter Band:
5950-6200 kHz

41 Meter Band:
7100-7300 kHz (except Americas)

31 Meter Band:
9500-9900 kHz

25 Meter Band:
11650-12050 kHz

21 Meter Band:
13600-13800 kHz

19 Meter Band:
15100-15600 kHz

16 Meter Band:
17550-17900 kHz

13 Meter Band:
21450-21850 kHz

11 Meter Band:
25670-26100 kHz (25600-26100 kHz until 7/89)

St—Saint.

Sta—Santa.

Sto—Santo.

Su—Sunday.

Target—The international geographical entities to which a transmission is beamed, provided it is intended to be heard outside the country. Targets are as follows:

AF—Africa
AM—Americas
ANZ—Australia & New Zealand
AS—Asia
ATL—Atlantic
CA—Central America, Carribean & Mexico
CAF—Central Africa
EAF—Eastern Africa
EAS—Eastern Asia
EEU—Eastern Europe
ENA—Eastern North America
EU—Europe
EUSSR—Eastern USSR
ME—Middle East
NA—North America
NAF—Northern Africa
PAC—Pacific
SA—South America
SAF—Southern Africa
SAS—Southern Asia
SEA—South-East Asia
USSR—USSR
WAF—Western Africa
WEU—Western Europe
WNA—Western North America
WUSSR—Western USSR

(+) Tent—Tentative, i.e. uncertain of accuracy of certain listed details, e.g. exact station name.

Th—Thursday.

Tu—Tuesday.

UTC—Coordinated Universal Time, a/k/a Greenwich Mean Time (GMT) or Zulu (Z): the 24-hour international broadcasting reference, based on the time standard of the Greenwich Observatory in the U.K. The difference between UTC and local time may be determined by listening for routine UTC announcements aired by international

broadcasters. Some shortwave radios and digital watches come equipped with a 24-hour time standard to eliminate the necessity to convert local time to UTC.

v—Variable frequency, i.e. one that is unstable or drifting.

Vo—Voice of.

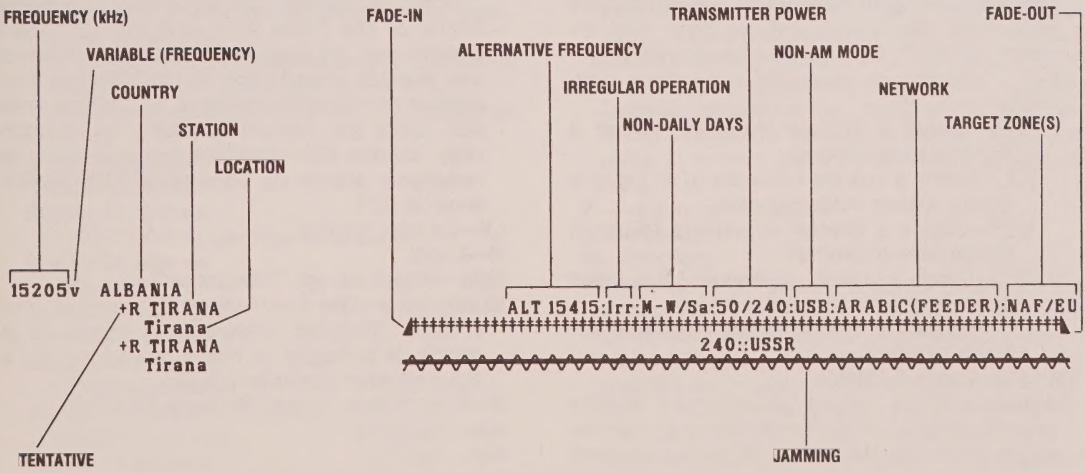
W—Wednesday.

Wavelength—A vintage alternative to Frequency (cf.) to express the location of a station within the radio spectrum. The wavelength of a station may be determined via the following formula: Wavelength (Meters) = 299,792/Frequency (kHz). This formula may also be used to ascertain the metre band of a particular station (cf. Shortwave Spectrum).

WS—World Service.

For countries where savings time is used, schedules may vary by an hour during winter.

GUIDE TO GRAPHICS FORMAT



LEXIQUE

Alt—Alternative.
AV—A Voz.
BC—Broadcasting, Broadcasting Company, Broadcasting Corporation.
BS—Broadcasting Service, Broadcasting Station.
Cd—Ciudad.
Canal—La norme pour l'espace réservé à un canal est de 5 kHz. Un petit nombre de stations ne suivent pas cette norme. Pour celà, RDI publie une résolution de fréquence supérieure à un kilohertz afin de faciliter l'identification de la station émettrice.
Cl—Club, Clube.
Cu, Cult—Cultura, Culture.
(D)—Horaire uniquement pour l'hiver.
DS—Service Local.
Em—Emissora, Emisora, Emissor, Emetteur.
EP—Emetteur Provincial.
ER—Emetteur Régional.
Fade-in, Fade-out—Debut et fin d' Ecoute—Si les moniteurs qui suivent les stations de radiodiffusion ne peuvent pas établir, d'une manière certaine, les débuts ou les fins d'émission, ils fournissent à **Database** les horaires les plus tôt (pour le début) et les plus tard (pour la fin) des emissions qu'ils ont pu entendre sur la station en question.
F—Vendredi.
Feeder, Shortwave—Ligne d'alimentation, ondes courtes. Consiste en une émission d'un point fixe à un autre, généralement en bandes latérales indépendantes ou bandes latérales uniques, dirigée vers un relais à partir d'un pays ou se situe la station de radiodiffusion. Bien que cette méthode de transmission ne soit pas destinée à être captée par le public, les transmissions d'ondes courtes par ligne d'alimentation peuvent être captées par certains récepteurs qui permettent parfois un meilleur, ou même le seul, moyen de recevoir certaines émissions pendant certaines périodes. C'est pour cette raison que les données concernant des lignes d'alimentation sont incluses dans RDI bien que leur usage soit irrégulier. Les modes de transmission par ligne d'alimentation sont:
  LSB—Bande à latérale inferieure (signal à bande latérale unique)
  ISL—Bande à latérale inferieure (d'un signal à bande latérale indépendante)
  USB—Bande à latérale superieure (signal à bande latérale unique)
  ISU—Bande à latérale superieure (d'un signal à bande latérale indépendante)
  RAM—Bande à latérale double, signal à porteuse reduite.
FR—République Fédérale.
Fréquence: Est la mesure généralement adoptée pour identifier la station émettrice sur les bandes du récepteur. La fréquence est, le plus souvent, exprimée en kilohertz ou en Mégahertz, bien que les longueurs d'ondes soient encore utilisées en Europe et dans certains autres pays. Les longueurs d'ondes sont exprimées en mètres. Les formules suivantes permettent de passer d'une mesure à l'autre:
  Fréquence en kilohertz = 299,792/Longueur d'onde en métres.
Irr—Opération ou heures d'opération irrégulières.
Is—Iles.
(J)—Horaire uniquement pour l'été.
Jamming—Brouillage—Interférence provoquée délibérément pour rendre la réception soit impossible, soit très difficile. La grande majorité des brouillages provient de l'Union Soviétique ou des pays de l'Europe de l'Est et est dirigée contre des émissions en arménien, azerbaijani, biellorusse, bulgare, estonien, georgien, hébreu, latvien, lituanien, polonais, russe, slovaque, tartar-bashkir, tchèque, turkestan, ukrainien et yiddish. Les brouillages en provenance de l'URSS et de l'Europe de l'Est produisent un bruit similaire à des ronflements des moteurs. De temps à autre, des messages codés ou même des programmes altérés provenant du service "Mayak" (DS-2) de l'URSS apparaissent parmi ces brouillages. L'un des moyens de surmonter ces difficultés de réception est d'utiliser les bandes les plus susceptibles de donner une bonne réception du pays que vous désirez écouter et qui, aux mêmes heures, ont le moins de possibilité de donner une bonne réception de l'Union Soviétique ou des pays de l'Europe de l'Est. Une antenne directionelle peut, dans certaines conditions, améliorer le rapport signal/brouillage.
kHz—kilohertz (cf. "Frequence").
kW—kilowatt (s), (cf. "Puissance").
Location—Le lieu ou est situé le complexe emetteur/antenne. Ce "site" ne correspond pas nécessairement à celui des studios qui préparent les programmes. Les sites publiés par RDI proviennent, dans la plupart des cas, de la partie "Cartes" de l'Edition 1983 de la "Comprehensive Edition of *The Times Atlas of the World*". Dans certains cas, les complexes émetteurs/antennes des grandes compagnies de radiodiffusion sont situés à plusieurs kilométres du lieu indiqué dans RDI. Ceux qui désirent connaître les coordonnées exactes d'un émetteur donné peuvent se renseigner auprès du Département de Publications de l'UIT.
LV—La Voix, La Voz.
M—Lundi.
MHz—Mégahertz (cf. "Frequence").
Multilingual—Une combinaison des langues "graphiques" (l'anglais, l'allemand, le chinois, le japonais, le portugais, la russe, le français, et l'espagnol) avec une autre langue.
N—New, Nueva, Nuevo, Nouvelle, National.
Nac—Nacional.
Nat—National.
Network—Chaîne—Chaîne ou Service Ondes Courtes. En dehors de désignations évidentes

telles que "Service Mondial". Les services locaux d'ondes courtes sont indiqués par "DS."

Pays—Les noms de pays publiés dans RDI sont ceux spécifiés par l'UIT. Certaines stations non-officielles et autres entités géographiques sont incluses pour reférence mais n'indiquent d'aucune manière l'endossement ou la reconnaissance de ces stations de la part, soit de IBS, soit de UIT.

PBS—Station national ou local de Radiodiffision de la République populaire de Chine.

Power—Puissance—La puissance RF d'émission en kilowatts avant l'amplification par l'antenne. Actuellement, les puissances utilisées en émission se situent entre 0,04 et 600 kW.

PR—République Populaire.

Pto—Puerto.

R—Radio, Radiodiffusion, Radiodiffusora, Radiodifusão, Radiostantsiya, Radyo, Radyosu, etc.

Relais—Est une installation extraterritoriale généralement alimentée par des enregistrements, par satellite ou par ligne d'alimentation, ondes courtes.

Rep—République.

RTV—Radiodiffussion Télévision.

RN—Cf. R and N.

S—Sa, Santa, Santo, São, Saint.

Spectre Ondes Courtes—Le spectre ondes courtes ou haute fréquence est la partie du spectre radiodiffusé entre 3 et 30 Mhz (3.000-30.000 kHz); cependant, l'usage le plus fréquent est approximativement entre 2 et 30 MHz. Bien que les radiodiffusions aient lieu sur toutes les bandes ondes courtes, les bandes désignées par UIT pour la radiodiffusion ondes courtes sont: (Mondialement à moins qu'il e soit indiqué autrement):

Bande 120 Mètres:
2300-2498 kHz (Zones tropicales exclusivement).

Bande 90 Mètres:
3200-3400 kHz (Zones tropicales exclusivement).

Bande 75 Mètres:
3900-3950 kHz (Asie et Pacifique seulement).
3850-4000 kHz (a l'exception des Amériques).

Bande 60 Mètres:
4750-4995 kHz (Zones tropicales exclusivement).
5005-5060 kHz (Zones tropicales exclusivement).

Bande 49 Mètres:
5950-6200 kHz

Bande 41 Mètres:
7100-7300 kHz (sauf les Amériques)

Bande 31 Mètres:
9500-9900 kHz

Bande 25 Mètres:
11650-12050 kHz

Bande 21 Mètres:
13600-13800 kHz

Bande 19 Mètres:
15100-15600 kHz

Bande 16 Mètres:
17550-17900 kHz

Bande 13 Mètres:
21450-21850 kHz

Bande 11 Mètres:
25670-26100 kHz (25600-26100 kHz jusqu'à 7/89)

Sta—Santa.

Sto—Santo.

Su—Dimanche.

Objectif—L'entité internationale vers laquelle l'émission est dirigée, avec l'intention que l'émission soit entendue à l'etranger. Les objectifs sont les suivants:

AF—Afrique.
AM—Amériques.
ANZ—Australie et Nouvelle-Zélande.
AS—Asie.
ATL—Atlantique.
CA—Amérique Centrale, les Caraibes et le Mexique.
CAF—Afrique Centrale.
EAF—Afrique de l'Est.
EAS—Asie de l'Est.
EEU—Europe de l'Est.
ENA—L'Est de l'Amérique du Nord.
EU—Europe.
EUSSR—Partie Est de l'URSS.
ME—Moyen Orient.
NA—Amérique du Nord.
NAF—Afrique du Nord.
PAC—Pacifique.
SA—Amérique du Sud.
SAF—Region sud Africaine
SAS—Sud de l'Asie.
SEA—Sud-Est de l'Asie.
USSR—URSS.
WAF—Afrique de l'Ouest
WEU—Europe de l'Ouest.
WNA—Ouest de l'Amérique du Nord.
WUSSR—Ouest de l'URSS.

Th—Jeudi.

Tu—Mardi.

UTC—Heure Universelle Coordonnée: Heure Internationale de reférence pour les radiodiffusions, basée sur l'heure standard du méridien de l'Observatoire de Greenwich (GMT) en Angleterre. Les Chaînes Internationales de Radiodiffusion annoncent regulièrement la différence entre l'heure locale et l'Heure Universelle Coordonnée. Certains récepteurs ou montres digitales sont munis d'un cadran 24-heures qui permet de connaître la relation entre l'heure locale et celle de UTC.

V—Fréquence variable.

Vo—Voix de.

W—Mercredi.

Wavelength—Longueur d'Onde. Exprime la place qu'occupe une station sur le spectre radiodiffusé. Un terme maintenant moins souvent utilisé que le terme fréquence. Longueur d'onde et fréquence sont liés par la formule:

Longueur d'onde en Mètres =
299,792 divisé par la fréquence en kHz.

Cette formule peut, naturellement, être utilisée pour déterminer la Bande en Mètres d'une station.

WS—Service Mondial.

LÉXICO DE TÉRMINOS

Alt—Frecuencia alternativa: una frecuencia cuyo uso sea imprevisto o irregular y en lugar de la frecuencia asignada.

AV—A Voz.

BC—Broadcasting, Broadcasting Company, Broadcasting Corporation.

BCS, BS—Broadcasting Service, Broadcasting Station.

Cd—Ciudad.

Channel—Canal. La norma para la separación de canales dentro de la gama de radiodifusión de onda corta es de 5.0 kHz. Un pequeño porcentaje de estaciones no opera dentro de esta norma, así que el RDI proporciona resolución de frecuencia de menos de un kilohertz, para facilitar la ubicación e identificación de las estaciones.

Cl—Club, Clube.

Country—País. Las designaciones, en el caso de las naciones oficialmente reconocidas, son las de la Unión Internacional de Telecomunicaciones. Emisoras y entidades geográficas no oficiales se incluyen para los fines de referencia y no presupone ningún apoyo o reconocimiento por parte de la IBS o UIT.

Cu, Cult—Cultura, Cultural, Culture.

(D)—Indica que los detalles refieren solamente al período "D" que corresponde al invierno en el hemisferio del norte y al verano en los paises del sur.

DS—Domestic Service (Servicio Doméstico).

Ed, Educ—Educação, Educadora.

Em—Emissora, Emisora, Emissor, Emetteur.

EP—Emissor Provincial.

ER—Emissor Regional.

ES—External Service (Servicio al Exterior).

F—Friday (Viernes)

Fade-in, Fade-out—Si el equipo de monitores del RDI no puede establecer definitivamente el comienzo (o fin) de una transmisión, se entra en cambio la hora más temprana (o tarde) en que pudo rastrearse la estación, eso es, la hora del 'fade-in' (o 'fade-out').

Feeder, shortwave—Una transmision de servicio fijo (punto a punto) usualmente en modo de banda lateral única o independiente, dirigida a la estación de redifusión desde el país de origen de la transmisión. Aunque no destinadas para la recepcion general, las transmisiones de eslabón de onda corta, que pueden ser recibidas por los mejores receptores de comunicaciones, a veces proporcionan la mejor o única oportunidad para la recepción de una emisora determinada a una hora dada. Por esta razón se incluyen en el RDI datos sobre esta tipo de transmisión, aunque el uso actual no sea regular. Los modos de transmisión para los eslabones de onda corta son:

LSB—Banda lateral inferior (señal banda lateral única)

ISL—Banda lateral inferior (de una señal banda lateral independiente)

USB—Banda lateral superior (señal banda lateral única)

ISU—Banda lateral superior (de una señal banda lateral independiente)

RAM—Banda lateral doble, con la portadora reducida.

FR—Federal Republic (República Federal)

Frequency—Frecuencia. La medida más ampliamente aceptada para indicar la ubicación de una estación dentro de la gama radial. La frecuencia se expresa más a menudo en kilohertz (kHz) o Megahertz (MHz), aunque la longitud de onda se utiliza todavía en Europa oriental y algunas otras partes del mundo. La frecuencia de una estación puede determinarse de la siguiente fórmula:

Frecuencia (kHz) = 299,792 ÷ Longitud de onda (metros).

Vease también 'Wavelength' y 'Channel'.

Irr—Operación irregular; horas de operación irregulares.

Is—Isla(s).

(J)—Indica que los detalles refieren solamente al período "J" que corresponde al verano en el hemisferio del norte y al invierno en los pais del sur.

Jamming—Interferencia intencional a una transmisión con el propósito de hacer imposible la recepción de la misma. La gran mayoría del jamming proviene de la Unión Soviética y sus aliados de Europa oriental, y es dirigida contra emisiones en armenio, azerbaijano, beloruso, búlgaro, checo, estonio, georgiano, hebreo, letón, lituano, polaco, ruso, slovaco, tatar-bashkir, turquestano, ucraniano e yiddish. El jamming proveniente de la URSS y Europa oriental consiste mayormente de un ruido no muy diferente de lo de un depósito lleno de camiones los cuales tienen sus motores en plena marcha. De vez en cuando se agrega a este ruido algunos mensajes en clave o programación distorsionada del servicio doméstico soviético, Mayak (DS-2). Una forma de contender con la interferencia jamming es determinar cuales de las bandas podrían ser las más apropiadas para proporcionar buena recepción de la parte del mundo que se quiere escuchar, mientras que al mismo tiempo no darían buena recepción de la Unión Soviética y Europa oriental. Antenas direccionales también pueden mejorar la razón de señal a jamming, bajo ciertas circunstancias.

kHz—Kilohertz (vease 'Frequency').

kW—Kilovatio(s) (vease 'Power').

Loc—Local.

Location—La ubicación física del complejo transmisor/antena. Esta ubicación pudiera no corresponder a la de los estudios donde se preparan los programas. Los datos sobre los nombres geográficos se completan en su mayoría de la Edición Comprensiva (1983) del *Times Atlas of the World*. Como sucede a veces que los complejos de transmisores de las emisoras internacionales

más grandes se encuentran en áreas de escasa población, el sitio exacto del transmisor podría estar a varios kilometros de la localidad indicada. Esas personas que necesitan coordinados geográficos precisos deben ponerse en contacto con el Departamento de Publicaciones de la UIT.

LV—La Voix, La Voz.

M—Monday (Lunes)

MHz—Megahertz (vease 'Frequency').

Multilingual—Una combinación de cualquier idioma representado por símbolo gráfico (alemán, árabe, chino, español, francés, inglés, japonés, portugués, o ruso) con otro idioma. Asi una transmisión en español y quechua sería designada como 'Multilingual', mientras que una emisión en quechua y aymara sería designada como 'Other' (= Otro).

N—New, Nueva, Nuevo, Nouvelle, Novo, Nova, Nacional, National, Nationale.

Nac—Nacional.

Nat—National, Nationale.

Network—La red o el servicio de una emisión. Transmisiones de servicios domésticos son indicadas por "DS".

Non-AM Mode—Transmisión en otro modo que el convencional 'AM' (banda lateral doble con portadora). (Vease 'Feeder, shortwave' para una lista de modos no AM.)

PBS—People's Broadcasting Station (Estación de Radiodifusión del Pueblo)

Power—La potencia de salida de RF (radio-frecuencia), eso es, antes de la amplificación por la antena, en kilovatios (kW). La gama actual de potencias en uso para la radiodifusión de onda corta es 0.04-600 kW.

PR—People's Republic (República Popular)

PS—Provincial Station (Estación Provincial), Pangsong.

Pto—Puerto, Pôrto.

R—Radio, Radiodiffusion, Radiodifusora, Radiodifusión, Radiodifusão, Radioemisora, Radiofonikos, Radiostantsiya, Radyo, Radyosu, etc.

Reg—Regional.

Relay—Instalaciones transmisoras extraterritoriales que retransmiten programas recibidos por satélite, eslabón de onda corta, o en forma de grabación.

Rep—Republic, República, République.

RT, RTV—Radiodiffusion Télévision, Radio Television, etc.

RN—Vease R y N.

S—San, Santa, Santo, São, Saint.

Sa—Saturday (Sábado).

Shortwave Spectrum—La gama de onda corta, o alta frecuencia, es esa porción de la gama radial que se encuentra entre 3 y 30 MHz (3,000-30,000 kHz); sin embargo, de ordinario se ubica la gama de onda corta entre 2 y 30 MHz aproximadamente. Aunque la radiodifusión tiene lugar en toda la gama de onda corta, los recién adoptados—pero no aun plenamente implementados—parametros nominales de la UIT para la radiodifusión de onda corta son (mundialmente, salvo ser indicado de otra manera):

Banda de 120 metros:
2300-2498 kHz (Zonas tropicales solamente)
Banda de 90 metros:
3200-3400 kHz (Zonas tropicales solamente)
Banda de 75 metros:
3900-3950 kHz (Asia & Pacífico solamente)
3950-4000 kHz (excepto las Américas)
Banda de 60 metros:
4750-4995 kHz (Zonas tropicales solamente)
5005-5060 kHz (Zonas tropicales solamente)
Banda de 49 metros:
5950-6200 kHz
Banda de 41 metros:
7100-7300 kHz (excepto las Américas)
Banda de 31 metros:
9500-9900 kHz
Banda de 25 metros:
11650-12050 kHz
Banda de 21 metros:
13600-13800 kHz
Banda de 19 metros:
15100-15600 kHz
Banda de 16 metros:
17550-17900 kHz
Banda de 13 metros:
21450-21850 kHz
Banda de 11 metros:
25600-26100 kHz (25670-26100 kHz desde Julio de 1989)

St—Saint.

Sta—Santa.

Sto—Santo.

Su—Sunday (Domingo)

Target—Las entidades geográficas internacionales a las cuales se dirige una transmisión, con tal que está destinada fuera del país de origen. Las zonas de recepcion son las siguientes:

AF—África
AM—Américas
ANZ—Australia & Nueva Zelandia
AS—Asia
ATL—Atlántico
CA—América Central, Caribe & México
CAF—África Central
EAF—África Oriental
EAS—Asia Oriental
EEU—Europa Oriental
ENA—América del Norte (Este)
EU—Europa
EUSSR—URSS Oriental
ME—Oriente Medio
NA—América del Norte
NAF—África del Norte
PAC—Pacífico
SA—América del Sur
SAF—África Meridional
SAS—Sud Asia
SEA—Asia (Sudeste)
USSR—URSS
WAF—África Occidental
WEU—Europa Occidental
WNA—America del Norte (Oeste)
WUSSR—URSS Occidental

Th—Thursday (Jueves).
Tu—Tuesday (Martes).
UTC—Hora Universal Coordinada, también conocida como Hora Meridiano de Greenwich (GMT) o Zulu (Z): la referencia internacional de 24 horas para la radiodifusión, basada en el marco de tiempo del Observatorio de Greenwich en el Reino Unido. La diferencia entre UTC y la horo local puede determinarse escuchando los avisos rutinarios de la hora UTC transmitidos por emisoras internacionales.
v—Frecuencia variable, eso es, una que es inestable.
Vo—Voice of (Voz de).
W—Wednesday (Miércoles).
Wavelength—Longitud de onda. Una alternativa antigua a 'Frecuencia' (vease) para precisar la ubicación de la estación dentro de la gama radial. La longitud de onda de una estación puede determinarse através de la siguiente fórmula: Longitud de onda (metros) = 299,792 ÷ Frecuencia (kHz). Esta fórmula puede utilizarse también para precisar la banda (en metros) de una estación determinada (vease 'Shortwave Spectrum').
WS—World Service (Servicio Mundial).
(+) Tent—Tentativo (-a); eso es, la exactitud de algunos detalles (p.ej. el nombre exacto de la estación) está incierta.

GLOSSAR

Channel; Kanal—Die Norm für den Abstand verschiedener Sendungen im Kurzwellenspektrum ist 5.0 kHz. Da aber ein kleiner Teil der Stationen nicht gemäss dieser Norm funktioniert, bietet **Database** Frequenzgenauigkeit von besser als einem kHz für die Lage und Identifizierung von Stationen.

Country; Land—Die Namen für die verschiedenen Länder sind diejenigen der ITU. Inoffizielle Sender und geographische Einheiten werden nur zur Bequemlichkeit erwähnt und bedeuten nicht formale Anerkennung oder Endorsement von IBS oder ITU.

Fade-in, Fade-out; Hineinschwinden, Herausschwinden—Falls die Moniteure der Databasis nicht den Anfang oder das Ende einer Sendung genau bestimmen können, dann wird die früheste oder späteste Zeit angegeben, wann die Station gehört werden kann. Dies wird als "fade-in" oder "fade-out" Zeit charakterisiert.

Feeder, shortwave; Kurzwellenspeisesender oder Versorger—Eine Punkt-zu-Punkt bestimmte Sendung zu einer Relaisstation, gewöhnlich durch einzelnes oder unabhängiges Seitenband. Manchmal kommt es vor, dass gewisse Rundfunkprogramme am besten oder nur durch "feeder" gehört werden können, obgleich sie eigentlich nicht für die Oeffentlichkeit beabsicht sind und auch bessere Empfänger benötigen. Aus diesem Grunde enthält RDI Information über Kurzwellen "feeder", obwohl es möglich ist, dass tatsächlicher Gebrauch nicht immer regelmässig ist.

Sendearten für Kurzwellen "feeder" sind wie folgt:

LSB—Lower Sideband (single-sideband signal); Unteres Seitenband

USB—Upper Sideband (single-sideband signal); Oberes Seitenband

ISL—Lower Sideband (of independent-sideband signal); Unteres Seitenband (von einem unabhängigen Seitenband Signal)

ISU—Upper Sideband (of independent sideband signal); Oberes Seitenband (von einem unabhängigen Seitenband Signal)

RAM—Double Sideband, reduced carrier signal; Doppeltes Seitenband, reduziertes Träger Signal

Anmerkung: Mittelwellen Sendungen, die hauptsächlich dem Inlandsdienst dienen, bestehen aus einem Träger (carrier) und zwei Seitenbändern, die beide dieselbe Information als Spiegelbilder enthalten. Diese Sendeart wird AM genannt und wird auch auf Kurzwelle gebraucht. Indem ein Rundfunksender nur ein Seitenband oder sogar auch keinen Träger gebraucht, spart er Energie, oder falls er doch noch mehr kW gebraucht, dann reicht die Sendung weiter stärker und klarer.

Frequency; Frequenz—Das weitverbreitetste Mass, um die Lage einer Sendung innerhalb des Radiospektrums anzugeben. In Osteuropa und einigen anderen Teilen der Welt wird jedoch noch Wellenlänge gebraucht. Frequenz wird hauptsächlich in Kilohertz (kHz) oder Megahertz (MHz) ausgedrückt. Die Frequenz einer Sendung kann durch die folgende Formel von der Wellenlänge errechnet werden: Frequenz (kHz) = 299,792/ Wellenlänge (Meter). Vgl. "Wavelength" (Wellenlänge) und "Channel" (Kanal).

Jamming; Mischmaschen—Die Störung einer Sendung mit der Absicht ihren Empfang unmöglich zu machen. In der Hauptsache kommt "Jamming" heutzutage von der Sowjetunion und ihren osteuropäischen Verbündeten. Es ist gegen Sendungen in den folgenden Sprachen dirigiert: Armenisch, Aserbeidschanisch, Belorussisch, Bulgarisch, Tschechisch, Estonisch, Georgisch, Hebräisch, Lettisch, Litauisch, Polnisch, Russisch, Slowakisch, Tatarisch-Baschkirisch, Turkestanisch, Ukrainisch und Jiddisch. Sowjetisch-osteuropäisches Mischmaschen bestetht hauptsächlich aus einem Geräusch wie von vielen, lauten Maschinen. Manchmal kann man Identifikationen in dem Morsealphabet hören oder seltener auch verzerrte Programme des Sowjetischen "Mayak" (DS-2) Inlandsdienstes. Ein Mittel zur Minimierung oder zum Abschwächen des Mischmaschens besteht in der Benutzung des Kurtzwelleverbreitung. Man tut dies, indem man herausfindet, welche Bände wahrscheinlich guten Empfang für den Teil der Welt geben, den man hören will; aber zur selben Zeit wahrscheinlich nicht guten Empfang von der Sowjetunion oder Osteuropa. Durch Antennen, die auf verschiedene Richtungen eingestellt werden können, kann man zuweilen auch die Beziehung zwischen Signal und "Jamming" unter gewissen Umständen verbessern.

Location; Standort—Der Platz, wo sich die Sendeanlagen, einschliesslich des Senders und der Antennen, befinden. Dieser mag nicht derselbe sein wie derjenige der Studios, wo die Rundfunkprogramme hergestellt werden. Data für die Namen von Standorten wurden in der Hauptsache mit Hilfe der Karten in *The Times Atlas of the World,* 1983 Comprehensive Edition, vorbereitet.

Network; Rundfunknetz—Der Dienst oder Service einer Rundfunkorganisation. Ausser solchen offensichtlichen Anwendungen wie 'Weltdienst' kann dieser Ausdruck sich auf Sprachen beziehen, wenn dies nicht durch die graphischen Symbole für Arabisch, Chinesisch, Englisch, Französisch, Deutsch, Japanisch, Portugiesisch, Russisch, und Spanisch angegeben ist. Inlandsdienste sind durch 'DS' (Domestic Service) bezeichnet.

Non-AM Mode—Siehe Feeder.

Power; Kraft—Senderleistung in Kilowatt (kW) vor der Amplifikation durch die Antenne. Zur Zeit gebrauchen Kurzwellensender von 0,04 bis 600 kW,

aber manchmal werden zwei Sender mit nur kleinen Unterschieden in der Richtung gebraucht.

Relay; Relais—Ausserterritoriale Sendestation, gewöhnlich durch Tonbänder, Satelliten oder Kurzwellendienst versorgt (vgl. 'Feeder').

Shortwave Spectrum; Kurzwellenspektrum—Gemäss der wissenschaftlichen Definition liegt das Kurzwellen—oder Hochfrequenzspektrum zwischen 3 und 30 MHz oder 3,000 und 30,000 kHz. Gewöhnlicher Gebrauch diktiert jedoch, dass es ungefähr zwischen 2 und 30 MHz liegt. In der Praxis kann man Rundfunksendungen fast überall im Kurzwellenspektrum finden. Aber gemäss vor kurzem angenommenen Prinzipien der ITU sind, mit gewissen Begrenzungen, die in den Klammern angegeben sind, die folgenden die nominalen Parameter für Kurzwellen Rundfunkbände. Es ist jedoch auch in Betracht zu ziehen, dass diese noch nicht ganz offiziell genehmigt sind, wenngleich *de facto* verschiedene Rundfunksender sie schon z.Z. gebrauchen.

120 Meterband:
2300-2498 kHz (nur tropische Zone)
90 Meterband:
3200-3400 kHz (nur tropische Zone)
75 Meterband:
3900-3950 kHz (nur Asien und Pazifik)
3950-4000 kHz (mit Ausnahme Amerikas)
60 Meterband:
4750-4995 kHz (nur tropische Zone)
5000-5060 kHz (nur tropische Zone)
49 Meterband:
5950-6200 kHz
41 Meterband:
7100-7300 kHz (mit Ausnahme Amerikas)
31 Meterband:
9500-9900 kHz
25 Meterband:
11650-12050 kHz
21 Meterband:
13600-13800 kHz
19 Meterband:
15100-15600 kHz
16 Meterband:
17550-17900 kHz
13 Meterband:
21450-21850 kHz
11 Meterband:
25600-26100 kHz
25670-26100 kHz (Anfangend Juli, 1989)

UTC—Coordinated Universal Time; Koordinierte Universalzeit; auch Greenwich Mean Time (GMT) oder Zulu (Z) genannt; die 24-stündige internationale Rundfunkreferenz, die sich auf das Observatorium von Greenwich in Grossbritannien basiert. Man kann den Unterschied zw. UTC und örtlicher Zeit bestimmen, indem man internationalen Rundfunksendungen zuhört. Einige Kurzwellenempfänger und Digitaluhren können auf das vierundzwanzigstündige Format gesetzt werden, sodass man nicht umrechnen braucht.

Wavelength; Wellenlänge—Ein veraltender Ausdruck anstatt Frequenz (vgl. 'Frequency'), um die Lage einer Sendung im Radiospektrum anzugeben. Die Wellenlänge einer Sendung kann durch die folgende Formel errechnet werden: Wellenlänge (Meter) = 299,792/Frequenz (kHz). Diese Formel kann auch gebraucht werden, um das Meterband einer Sendung zu bestimmen (vgl. 'Shortwave Spectrum').

ABKUERZUNGEN

Alt—Alternate; abwechselnd, alternativ
AV—A Voz
BC—Broadcasting; Rundfunksendung-sender, oder gesellschaft
BCS, BS—Broadcasting Service; Rundfunkdienst
Cd—Ciudad; City; Stadt
Cl—Club; Clube; Klub
Cu—Cult-Culture; Cultura; Kultur
(D)—Winter
DS—Domestic Service; Inlandsdienst
Ed—Educacão, Educadora.
Em—Emissora, Emisora; Emetteur Strahlung
ES—External Service, Auslandsdienst
FR—Federal Republic; Bundesrepublik
F—Friday; Freitag
Hz—hertz—A unit of frequency equal to one cycle per second; Eine Frequenzeinheit, die eine Schwingung pro Sekunde bezeichnet
Irr—Irregular operation or hours of operation; unregelmässige Sendung
Is—Island(s); Insel(n)
(J)—Sommer
kHz—Kilohertz 1,000 Hertz (cf. Frequency); vgl. Frequenz
kW—Kilowatt(s) (cf. Power); Stärke, Senderleistung (vgl. "Power")
LV—La Voix, La Voz; die Stimme
M—Monday; Montag
MHz—Megahertz 1,000 kHz (cf. Frequency); vgl. Frequenz
N—New; Nueva; Nuevo; Nouvelle; Novo, Nova, Nacional, Nationale; Neu
Nac—Nacional; National
Nat—National, Nationale
PBS—People's Broadcasting Station Volksrundfunkstation
PR—People's Republic; Volksrepublik
Pto—Puerto Pôrto; Hafen
R—Radio, Radiodiffusion, Radiodifusora, Radiodifusíon, Radiodifusão, Radioemisora, Radiofonikos, Radiostantsiya, Radyo, Radyosu, etc.
Rep—Republic; República; République; Republik
RT, RTV—Radiodiffusion Télévision, Radio Television, etc.
S—San, Santa, Santo, São, Saint; in Heiligennamen verschiedener Sprachen und auf solche zurückgehenden Ortsnamen
Sa—Saturday; Sonnabend, Samstag
St—Saint; vgl. S
Sta—Santa, vgl. S
Sto—Santo, vgl. S
Su—Sunday; Sonntag
Target—Zielgebiet, spez. die internationalen geographischen Gebiete für die eine Sendung beabsichtigt ist, falls sie ausserhalb des Landes gehört werden soll:
AF—Africa; Afrika
AM—Americas; die amerikanischen Kontinente
ANZ—Australia & New Zealand; Australien u. Neuseeland
AS—Asia; Asien
ATL—Atlantic; Atlantik
CA—Central America, Carribean & Mexico; Mittelamerika, Karibik u. Mexiko
CAF—Central Africa; Zentralafrika
EAF—Eastern Africa; Ostafrika
EAS—Eastern Asia; Ostasien
EEU—Eastern Europe; Osteuropa
ENA—Eastern North America; Ostnordamerika
EU—Europe; Europa
EUSSR—Eastern USSR; UdSSR (Ost)
ME—Middle East; Nahost
NA—North America; Nordamerika
NAF—Northern Africa; Nordafrika
PAC—Pacific; Pazifik
SA—South America; Südamerika
SAF—Southern Africa; Südliches Afrika
SAS—Southern Asia; Sadasien
SEA—South East Asia; Sudostasien
USSR—USSR; UdSSR
WAF—Western Africa; Westafrika
WEU—Western Europe; Westeuropa
WNA—Western North America; Westnordamerika
WUSSR—Western USSR; UdSSR (West)
Th—Thursday; Donnerstag.
Tu—Tuesday; Dienstag.
v—Variable frequency; variierende Frequenz, d.h. eine, die nicht stabil ist oder sich verändert.
Vo—Voice of . . . Die Stimme von . . .
WS—World Service; Weltdienst

用　語　・　略　語　表

Alt - Alternate. 代替の（周波数など）。
定期放送の周波数の代りに突然，又は不定期に使われる周波数。

AV - A Voz. ……の声。（ブラジルあるいはポルトガル語系の放送局名に使われる）

BC - Broadcasting, Broadcasting Company, Broadcasting Corporation
放送又は放送会社。

BCS, BS - Broadcasting Service. 放送サービス。

Cd - Ciudad. 市，あるいは町。

Channel - 短波放送バンド内のチャンネル間隔の標準は5kHzです。幾つかの局がこの標準によらずに運用しているので，本データベースでは，1kHzかそれ以上良好な読み取り精度で周波数を確認し，放送局名あるいは局所在地の確認を容易にしています。

Cl - Club, Clube. クラブ。（放送局名にも使われている）

Country - 国名の呼び方はＩＴＵ方式に従っています。非公式な放送局（地下局など）や地名も参考情報として含めてありますが，これはＩＢＳやＩＴＵがこれらの局や地名を認知したことを意味するものではありません。

Cu, Cult - Cultura, Culture. 文化。（教育局などの放送局名に使われる）

DS - Domestic Service. 国内サービス，国内向け放送。

Ed, Educ - Educational, Educação, Educadora. 教育（局）

Em - Emissora, Emisora, Emissor. 放送（局）

EP - Emissor Provincial 州向け放送。

ER - Emissor Regional. 地域放送。

ES - External Service. 外国向け放送。

F - Friday. 金曜日。

Fade-in, Fade-out - データベース・モニタ・チームが，局の開始（又は終了）時間を確認できない場合，確認できる最も早い（又は遅い）時間を「フェード・イン」（又は「フェード・アウト」）時間として用いています。

Feeder, shortwave - 番組作成国から中継局向けに通常は単一側波帯又は独立側波帯で，固定局送信による番組中継が行われており，これをフィーダと呼んでいます。これは一般聴取者向けではありませんが，通信形受信機を用いて良好に受信できることが多く，ある局を受信しようとした場合，時間によってはフィーダの方が良く聞こえたり，フィーダのみしか聞こえないということさえあります。このため，本データベースでは，定期放送より送信時間は少ないにしても，その有効性を考慮してフィーダの情報も含めてあります。
短波フィーダの送信モードは次の５つに分かれています。

LSB - 下側単一側波帯信号
ISL - 下側独立側波帯信号
USB - 上側単一側波帯信号
ISU - 上側独立側波帯信号
RAM - 両側独立搬送波信号

FR - Federal Republic. 連邦共和国

Frequency - 無線スペクトラムの中の局の位置を測定するため最も広く使われている単位です。日本語では「周波数」。周波数は一般にはキロヘルツ（kHz），又はメガヘルツ（MHz）で表わされます。東欧諸国等では未だ「波長」で局の存在を示すところがあります。周波数と波長の換算は，
周波数（kHz）＝299，792／波長（メータ）で計算できます。
Wave Length と Channel の項も参照。

Irr - Irregular operation or hours of operation. 不定期放送。

Is - Island(s). 島。

Jamming - ジャミングとは，放送を受信できないように送信される妨害信号のことです。現在行なわれているジャミングの大多数は，ソ連および東欧諸国から発せられており，妨害されている言語は，アルメニア語，アゼルバイジャン語，バイエルロシア語，ブルガリア語，チェコ語，エストニア語，ギオルジニア語，ヘブライ語，ラトビア語，リトアニア語，ポーランド語，ロシア語，スロバク語，タタール・バシキール語，トルキスタン語，ウクライナ語，そしてイディッシュ語です。ソ連／東欧諸国のジャミングは，大形トラックがエンジンをウーウー言わせて走り去っていくような音を発しており，聴り音の中にコード符号が時々入ることがあり，又，ソ連の国内向け放送「MAYAK」のプログラムが極端に歪んだ音で混入される場合もあります。

ジャミングの影響を最も少く受信するためには，電波伝ぱん予報などのデータを用い，聞こうとしている局に最適の周波数帯でかつソ連／東欧方向から伝ぱんしにくい周波数を選ぶことです。場合によっては，指向性アンテナで信号・ジャミング比を向上することが出来ます。

kHz - Kilohertz (cf. Frequency). キロヘルツ（Frequencyの参照）

kW - Kilowatt(s) (cf. Power). キロワット（Power の項参照）

Loc - Local. 地方向け。

Location - 送信所の地図上の場所を指しています。この場所は，番組の制作されるスタジオとは必ずしも一致していません。地名については，The Times Atlas of the Worldの１９８３年Comprehensive Edition 地図編からとっています。主要国際放送局の送信所は，特に人家の無いような場所に設置されていますので，実際の送信施設の場所は，地名で表示された所から場所により数kmも離れているかも知れません。送信所の正確な座標位置（緯度，経度）をお知りになりたい方はＩＴＵの出版部（Publication／Department）にお問い合せ下さい。

LV - La Voix, La Voz. ……の声。（中南米の放送局名に使われる。）

M - Monday. 月曜日。

MHz - Megahertz (cf. Frequency). メガヘルツ。（Frequencyの項参照）

Multilingual - グラフィック表示の言語（アラビア語，英，仏，独，日，露，ポルトガル，スペインの各言語）と他の言語の組み合せ。例えば英語とウルドゥ語の送信では，英語でなく「Multilingual」と表示しています。尚，グラフィック表示でないタミル語とウルドゥ語の送信では「Other」で表示しています。

N - New, Nueva, Nuevo, Nouvelle, Nacional, National
（新）。　（国有，国立）

Nac - Nacional. 国有，国立。

Nat, Natl - National. 国有，国立。

Network - ネットワークは放送網，或いは放送サービスを意味しています。尚，国内向け放送は「ＤＳ」で表示されています。

Non-AM Mode - 従来の両側波帯方式（ＡＭ）以外の送信を指しています。
（Feeder, shortwave の項参照）

PBS - People's Broadcasting Service. 人民放送サービス。

Power - 高周波出力，即ちアンテナ入力部の電力のことでキロワット（kW）で表示されます。現在，短波放送で使われている電力は，0.04－500kWの範囲です。

PR - People's Republic. 人民共和国。

PS - Provincial Station, Pangsong. 地方局。

Pto - Puerto.（ポート）港の意。地名に多い。例Puerto Rico。

R - Radio, Radiodiffusion, Radiodiffusora, Radiodifusao, Radiostantsiya, Radyo, Radyosu, etc. ラジオ，放送（局）。

Reg. - Regional. 地域向け。

Relay - 中継所。自国外の送信設備を指すことが多く，録音番組，衛星中継又は短波フィーダによる番組を送出しています。

Rep - Republic, République, Republica. 共和国。

RT, RTV - Radiodiffusion Télévision, Radio Télévision, etc. ラジオ，テレビ放送（局）

RN - Cf. R and N. RとNの項参照。Radio Nacional（国営放送局）などと使います。

RS - Radio Station, Radiostantsiya, Radiofonikos Stathmos. ラジオ放送局

S - San, Santa, Santo, Sao, Saint, 聖……と使う。地名ではそのまま

Sa - Saturday. 土曜日。

Shortwave Spectrum - 日本語でいう短波は，英語でShortwave あるいはHigh－Frequency と表現され，その無線スペクトルは，３－30MHz（3,000－33,000kHz）と規定されています。しかし一般には2－30MHzの波を短波と通称することが多いようです。短波スペクトラムのいろいろな部分で短波放送は行われていますが，最近採用された（未だ完全実施には至っていないが）ＩＴＵ短波放送帯の標準は，次の通りです。

120Mバンド 2300－2498 kHz（トロピカル・ゾーンのみ）
90Mバンド 3200－3400kHz（トロピカル・ゾーンのみ）
75Mバンド 3900－3950kHz（アジア太平洋地域のみ）
3950－4000kHz（アメリカ大陸を除く）

60Mバンド 4750−4995kHz（トロピカル・ゾーンのみ）
5005−5060kHz（トロピカル・ゾーンのみ）
49Mバンド 5950−6200kHz
41Mバンド 7100−7300kHz（アメリカ大陸を除く）
31Mバンド 9500−9900kHz
25Mバンド 11650−12050kHz
21Mバンド 13600−13800kHz
19Mバンド 15100−15600kHz
16Mバンド 17550−17900kHz
13Mバンド 21450−21850kHz
11Mバンド 25600−26100kHz
25670−26100kHz（89年7月から）

St - Saint. セイント。聖……の意。Sの項参照。

Sta - Santa. サンタ。聖……の意。Sの項参照。

Sto - Santo サント。聖……の意。Sの項参照。

Su - Sunday 日曜日。

Target - 放送が外国で聞かれることを意図している場合の放送対象地域／対象国のことをターゲットと言います。ターゲットは下記の略称で表わされています。

AF - Africa アフリカ向け。
AM - Americas アメリカ大陸向け。
ANZ - Australia & New Zealand オーストラリア，ニュージーランド向け。
AS - Asia アジア向け。
ATL - Atlantic 大西洋地域向け。
CA - Central America, Carribean & Mexico 中央アメリカ，カリブ，メキシコ向け。
CAF - Central Africa 中央アフリカ向け。
EAF - Eastern Africa 東アフリカ向け。
EAS - Eastern Asia 東アジア向け。
EEU - Eastern Europe 東ヨーロッパ向け。
ENA - Eastern North America 北米東部向け。
EU - Europe ヨーロッパ向け。
EUSSR - Eastern USSR ソ連東部向け。
ME - Middle East 中東向け。
NA - North America 北米向け。
NAF - Northern Africa 北アフリカ向け。
PAC - Pacific 太平洋地域向け。
SA - South America 南米向け。
SAF - Southern Africa 南アフリカ向け。
SAS - Southern Asia 南アジア。
SEA - South-East Asia 東南アジア向け。
USSR - USSR ソ連向け。
WAF - Western Africa 西アフリカ向け。
WEU - Western Europe 西ヨーロッパ向け。
WNA - Western North America 北米西部向け。
WUSSR - Western USSR ソ連西部向け。

(+)Tent - Tentative. 暫定。記載されている内容の一部，例えば正式局名などが不確かなもの。

Th - Thursday. 木曜日。

Tu - Tuesday. 火曜日。

UTC - 協定世界時と訳されており，グリニッジ標準時（ＧＭＴ）やズル時（Ｚ）と同意語です。英国のグリニッジ天文台の時間標準をもとにした２４時間方式の時間表示です。ＵＴＣと自分の地方標準時の差は，国際放送局が定期的にアナウンスするＵＴＣ時間を聞くことにより計算できます。最近の短波受信機の中には，２４時間のＵＴＣを表示するものも出て来ています。

v - Variable frequency. 即ち不安定な原因する周波数です。

Vo - Voice of. ……の声。（放送局名に使われる。）

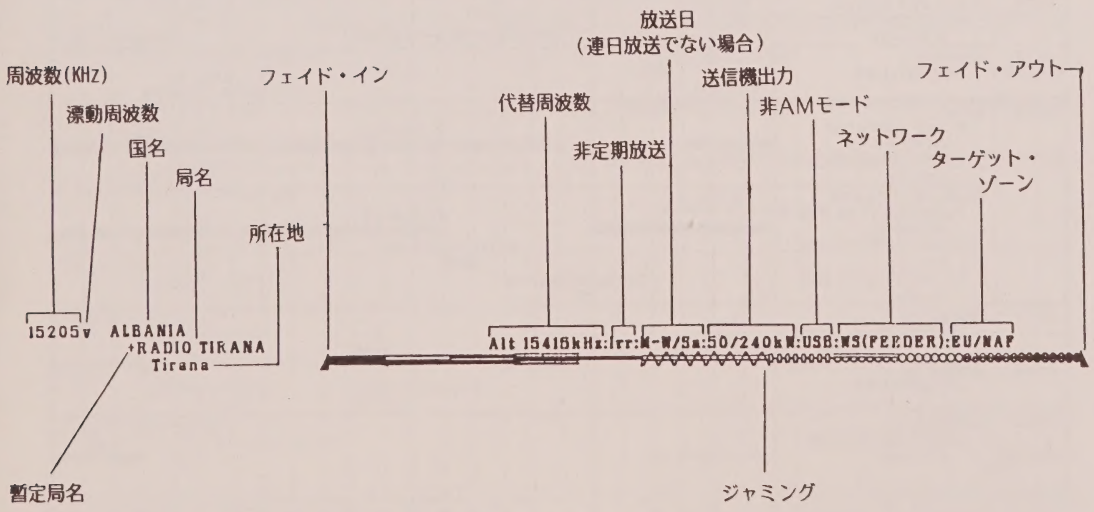
W - Wednesday. 水曜日。

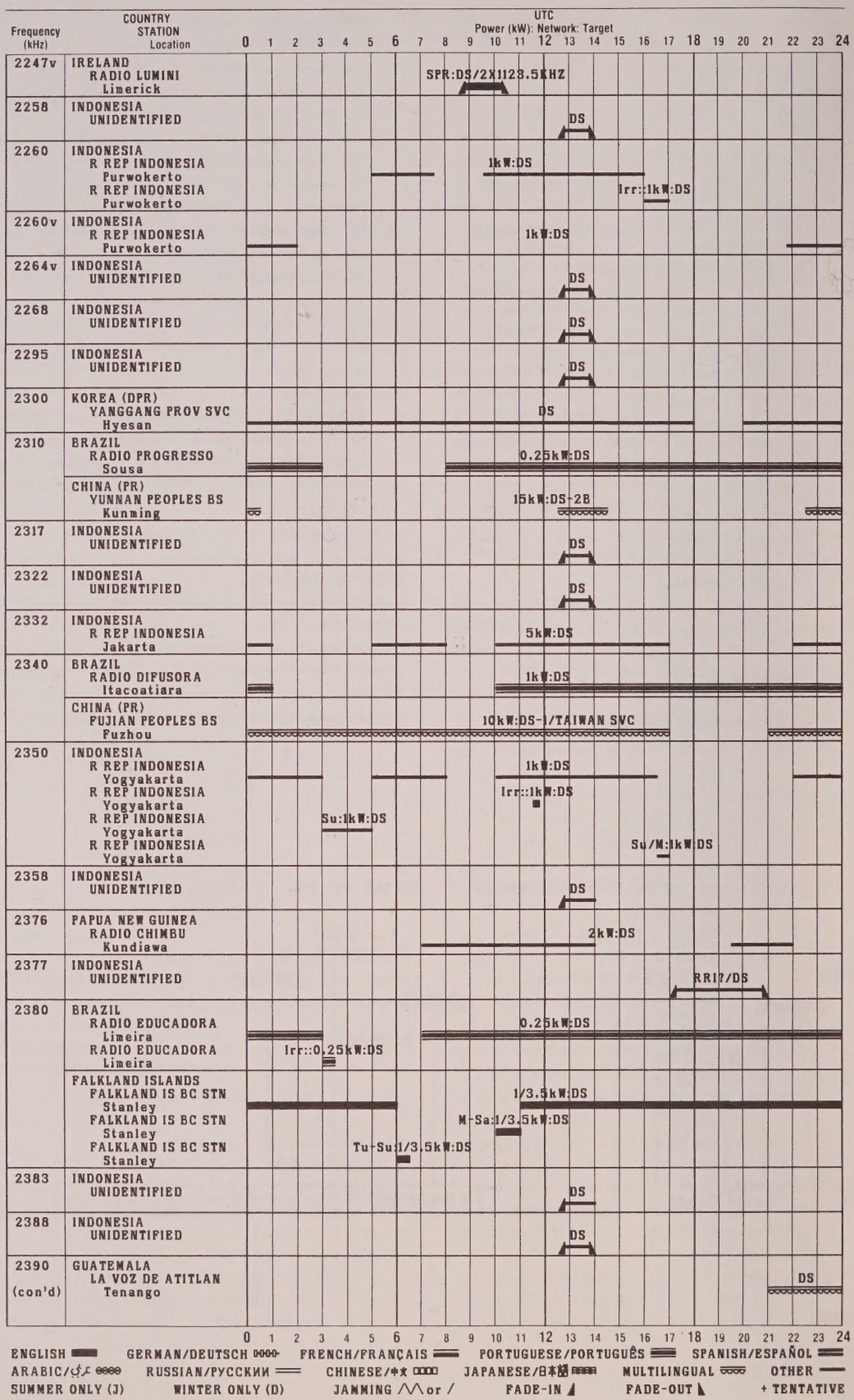
Wavelength - 波長。無線スペクトラムの中の局の位置を測定するための，旧式な単位，表現方法です。放送局の波長は

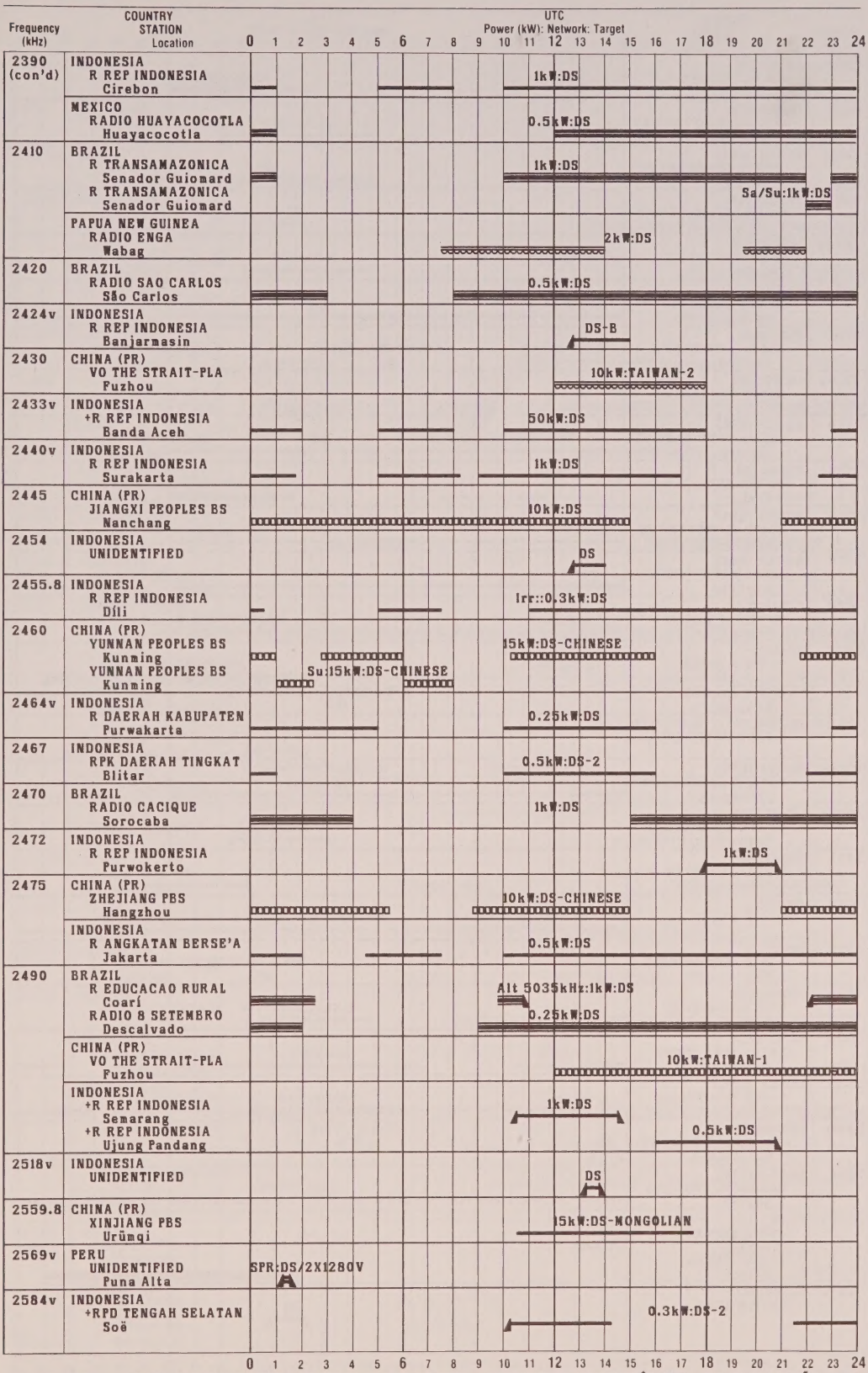
波長（Ｍ）＝２９９，７９２／周波数（kHz）で計算できます。この式は，或る局が何メータ・バンドに出ているかを確めるときにも使えます。（Short Wave Spectrumの項参照）

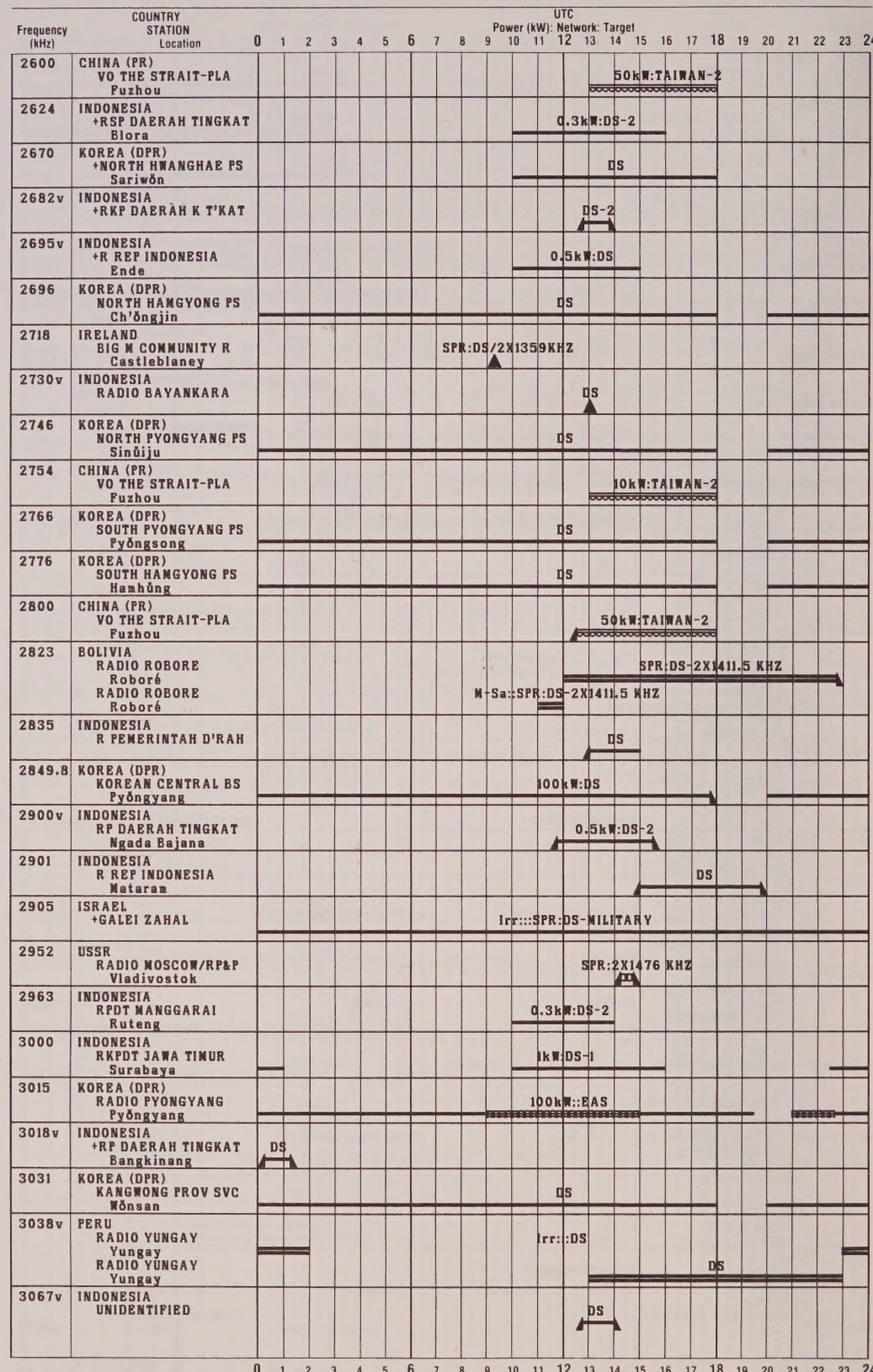
WS - World Service. ワールド・サービス。（全世界カバーの放送）

グラフ表示へのガイド




Frequency (kHz)
COUNTRY STATION Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
2247v IRELAND RADIO LUMINI Limerick
SPR:DS/2X1123.5KHZ
2258 INDONESIA UNIDENTIFIED
DS
2260 INDONESIA R REP INDONESIA Purwokerto
1kW:DS
R REP INDONESIA Purwokerto
Irr::1kW:DS
2260v INDONESIA R REP INDONESIA Purwokerto
1kW:DS
2264v INDONESIA UNIDENTIFIED
DS
2268 INDONESIA UNIDENTIFIED
DS
2295 INDONESIA UNIDENTIFIED
DS
2300 KOREA (DPR) YANGGANG PROV SVC Hyesan
DS
2310 BRAZIL RADIO PROGRESSO Sousa
0.25kW:DS
CHINA (PR) YUNNAN PEOPLES BS Kunming
15kW:DS-2B
2317 INDONESIA UNIDENTIFIED
DS
2322 INDONESIA UNIDENTIFIED
DS
2332 INDONESIA R REP INDONESIA Jakarta
5kW:DS
2340 BRAZIL RADIO DIFUSORA Itacoatiara
1kW:DS
CHINA (PR) FUJIAN PEOPLES BS Fuzhou
10kW:DS-1/TAIWAN SVC
2350 INDONESIA R REP INDONESIA Yogyakarta
1kW:DS
R REP INDONESIA Yogyakarta
Irr::1kW:DS
R REP INDONESIA Yogyakarta
Su:1kW:DS
R REP INDONESIA Yogyakarta
Su/M:1kW:DS
2358 INDONESIA UNIDENTIFIED
DS
2376 PAPUA NEW GUINEA RADIO CHIMBU Kundiawa
2kW:DS
2377 INDONESIA UNIDENTIFIED
RRI?/DS
2380 BRAZIL RADIO EDUCADORA Limeira
0.25kW:DS
RADIO EDUCADORA Limeira
Irr::0.25kW:DS
FALKLAND ISLANDS FALKLAND IS BC STN Stanley
1/3.5kW:DS
FALKLAND IS BC STN Stanley
M-Sa:1/3.5kW:DS
FALKLAND IS BC STN Stanley
Tu-Su:1/3.5kW:DS
2383 INDONESIA UNIDENTIFIED
DS
2388 INDONESIA UNIDENTIFIED
DS
2390 (con'd) GUATEMALA LA VOZ DE ATITLAN Tenango
DS
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH GERMAN/DEUTSCH FRENCH/FRANÇAIS PORTUGUESE/PORTUGUÊS SPANISH/ESPAÑOL
ARABIC/عربي RUSSIAN/РУССКИЙ CHINESE/中文 JAPANESE/日本語 MULTILINGUAL OTHER
SUMMER ONLY (J) WINTER ONLY (D) JAMMING /\/\ or / FADE-IN FADE-OUT + TENTATIVE


Frequency (kHz)
COUNTRY STATION Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
2390 (con'd)
INDONESIA R REP INDONESIA Cirebon
1kW:DS
MEXICO RADIO HUAYACOCOTLA Huayacocotla
0.5kW:DS
2410
BRAZIL R TRANSAMAZONICA Senador Guiomard
1kW:DS
BRAZIL R TRANSAMAZONICA Senador Guiomard
Sa/Su:1kW:DS
PAPUA NEW GUINEA RADIO ENGA Wabag
2kW:DS
2420
BRAZIL RADIO SAO CARLOS São Carlos
0.5kW:DS
2424v
INDONESIA R REP INDONESIA Banjarmasin
DS-B
2430
CHINA (PR) VO THE STRAIT-PLA Fuzhou
10kW:TAIWAN-2
2433v
INDONESIA +R REP INDONESIA Banda Aceh
50kW:DS
2440v
INDONESIA R REP INDONESIA Surakarta
1kW:DS
2445
CHINA (PR) JIANGXI PEOPLES BS Nanchang
10kW:DS
2454
INDONESIA UNIDENTIFIED
DS
2455.8
INDONESIA R REP INDONESIA Dili
Irr::0.3kW:DS
2460
CHINA (PR) YUNNAN PEOPLES BS Kunming
15kW:DS-CHINESE
YUNNAN PEOPLES BS Kunming
Su:15kW:DS-CHINESE
2464v
INDONESIA R DAERAH KABUPATEN Purwakarta
0.25kW:DS
2467
INDONESIA RPK DAERAH TINGKAT Blitar
0.5kW:DS-2
2470
BRAZIL RADIO CACIQUE Sorocaba
1kW:DS
2472
INDONESIA R REP INDONESIA Purwokerto
1kW:DS
2475
CHINA (PR) ZHEJIANG PBS Hangzhou
10kW:DS-CHINESE
INDONESIA R ANGKATAN BERSE'A Jakarta
0.5kW:DS
2490
BRAZIL R EDUCACAO RURAL Coarí
Alt 5035kHz:1kW:DS
RADIO 8 SETEMBRO Descalvado
0.25kW:DS
CHINA (PR) VO THE STRAIT-PLA Fuzhou
10kW:TAIWAN-1
INDONESIA +R REP INDONESIA Semarang
1kW:DS
+R REP INDONESIA Ujung Pandang
0.5kW:DS
2518v
INDONESIA UNIDENTIFIED
DS
2559.8
CHINA (PR) XINJIANG PBS Urümqi
15kW:DS-MONGOLIAN
2569v
PERU UNIDENTIFIED Puna Alta
SPR:DS/2X1280V
2584v
INDONESIA +RPD TENGAH SELATAN Soë
0.3kW:DS-2
ENGLISH
GERMAN/DEUTSCH
FRENCH/FRANÇAIS
PORTUGUESE/PORTUGUÊS
SPANISH/ESPAÑOL
ARABIC/عربي
RUSSIAN/РУССКИЙ
CHINESE/中文
JAPANESE/日本語
MULTILINGUAL
OTHER
SUMMER ONLY (J)
WINTER ONLY (D)
JAMMING
FADE-IN
FADE-OUT
+ TENTATIVE


Frequency (kHz)
COUNTRY STATION Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
2600 CHINA (PR) VO THE STRAIT-PLA Fuzhou
50kW:TAIWAN-2
2624 INDONESIA +RSP DAERAH TINGKAT Blora
0.3kW:DS-2
2670 KOREA (DPR) +NORTH HWANGHAE PS Sariwŏn
DS
2682v INDONESIA +RKP DAERAH K T'KAT
DS-2
2695v INDONESIA +R REP INDONESIA Ende
0.5kW:DS
2696 KOREA (DPR) NORTH HAMGYONG PS Ch'ŏngjin
DS
2718 IRELAND BIG M COMMUNITY R Castleblaney
SPR:DS/2X1359KHZ
2730v INDONESIA RADIO BAYANKARA
DS
2746 KOREA (DPR) NORTH PYONGYANG PS Sinŭiju
DS
2754 CHINA (PR) VO THE STRAIT-PLA Fuzhou
10kW:TAIWAN-2
2766 KOREA (DPR) SOUTH PYONGYANG PS Pyŏngsong
DS
2776 KOREA (DPR) SOUTH HAMGYONG PS Hamhŭng
DS
2800 CHINA (PR) VO THE STRAIT-PLA Fuzhou
50kW:TAIWAN-2
2823 BOLIVIA RADIO ROBORE Roboré
SPR:DS-2X1411.5 KHZ
RADIO ROBORE Roboré
M+Sa::SPR:DS-2X1411.5 KHZ
2835 INDONESIA R PEMERINTAH D'RAH
DS
2849.8 KOREA (DPR) KOREAN CENTRAL BS Pyŏngyang
100kW:DS
2900v INDONESIA RP DAERAH TINGKAT Ngada Bajana
0.5kW:DS-2
2901 INDONESIA R REP INDONESIA Mataram
DS
2905 ISRAEL +GALEI ZAHAL
Irr:::SPR:DS-MILITARY
2952 USSR RADIO MOSCOW/RP&P Vladivostok
SPR:2X1476 KHZ
2963 INDONESIA RPDT MANGGARAI Ruteng
0.3kW:DS-2
3000 INDONESIA RKPDT JAWA TIMUR Surabaya
1kW:DS-1
3015 KOREA (DPR) RADIO PYONGYANG Pyŏngyang
100kW::EAS
3018v INDONESIA +RP DAERAH TINGKAT Bangkinang
DS
3031 KOREA (DPR) KANGWONG PROV SVC Wŏnsan
DS
3038v PERU RADIO YUNGAY Yungay
Irr::DS
RADIO YUNGAY Yungay
DS
3067v INDONESIA UNIDENTIFIED
DS
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH GERMAN/DEUTSCH FRENCH/FRANÇAIS PORTUGUESE/PORTUGUÊS SPANISH/ESPAÑOL
ARABIC/عربي RUSSIAN/РУССКИЙ CHINESE/中文 JAPANESE/日本語 MULTILINGUAL OTHER
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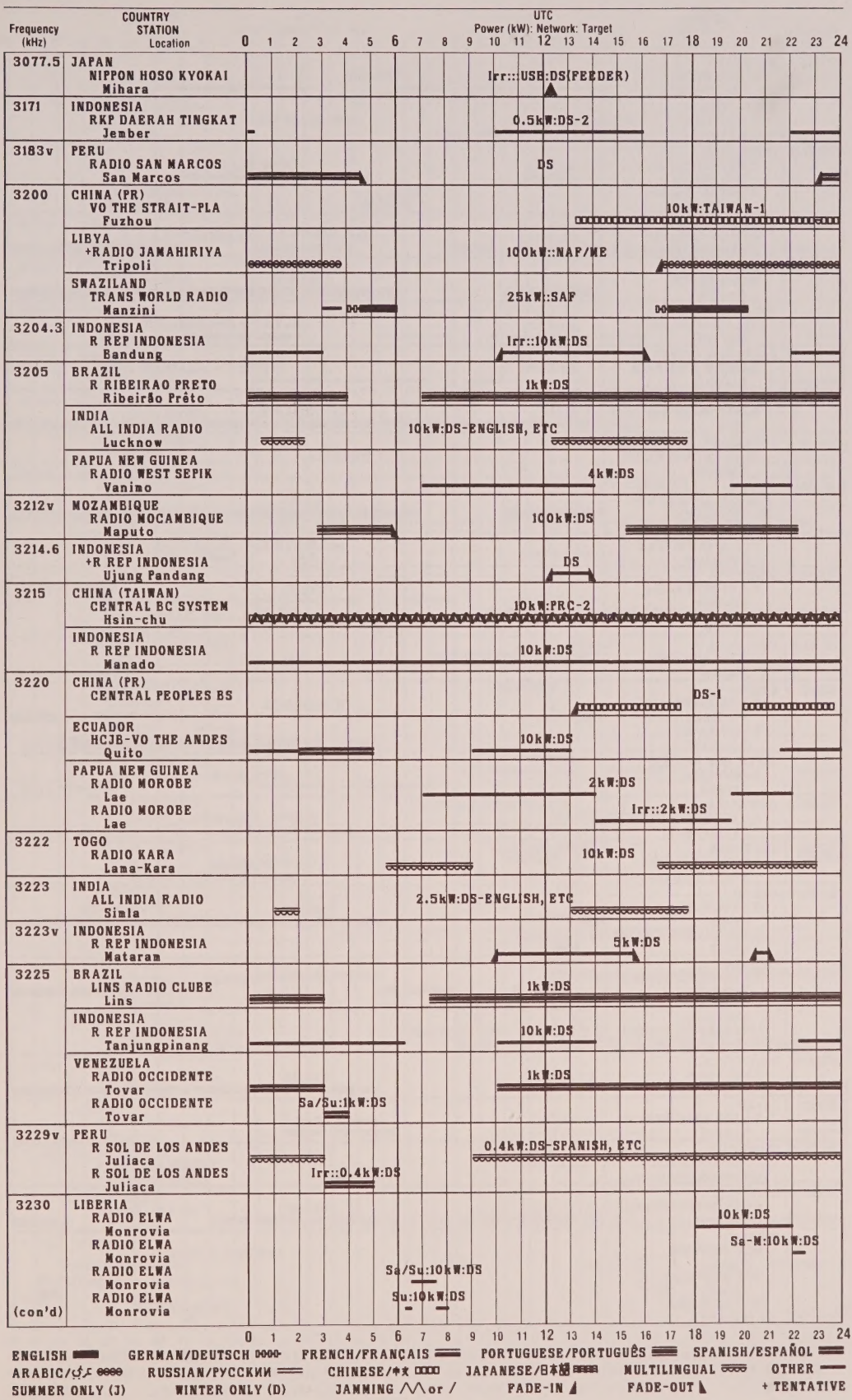
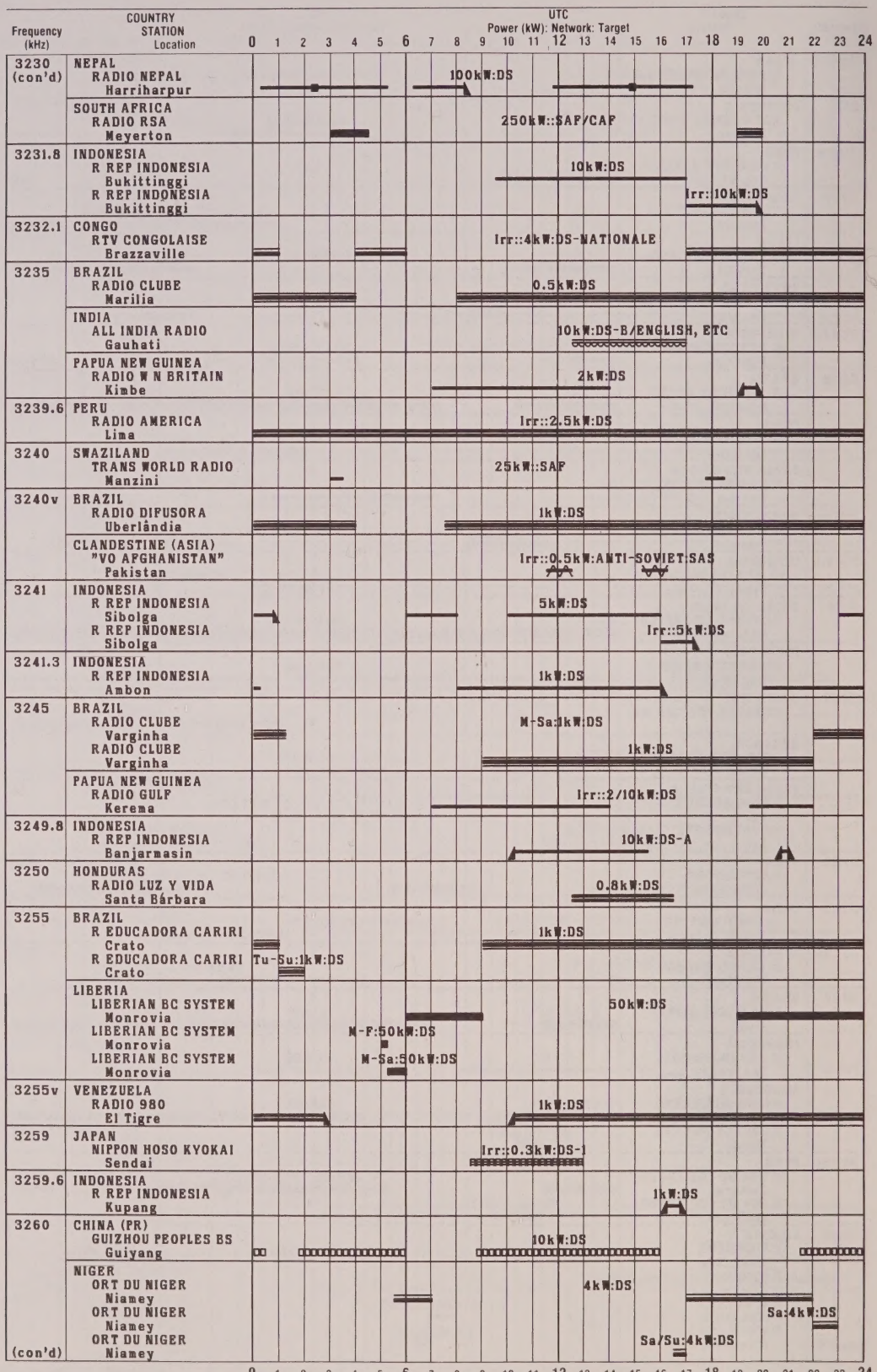
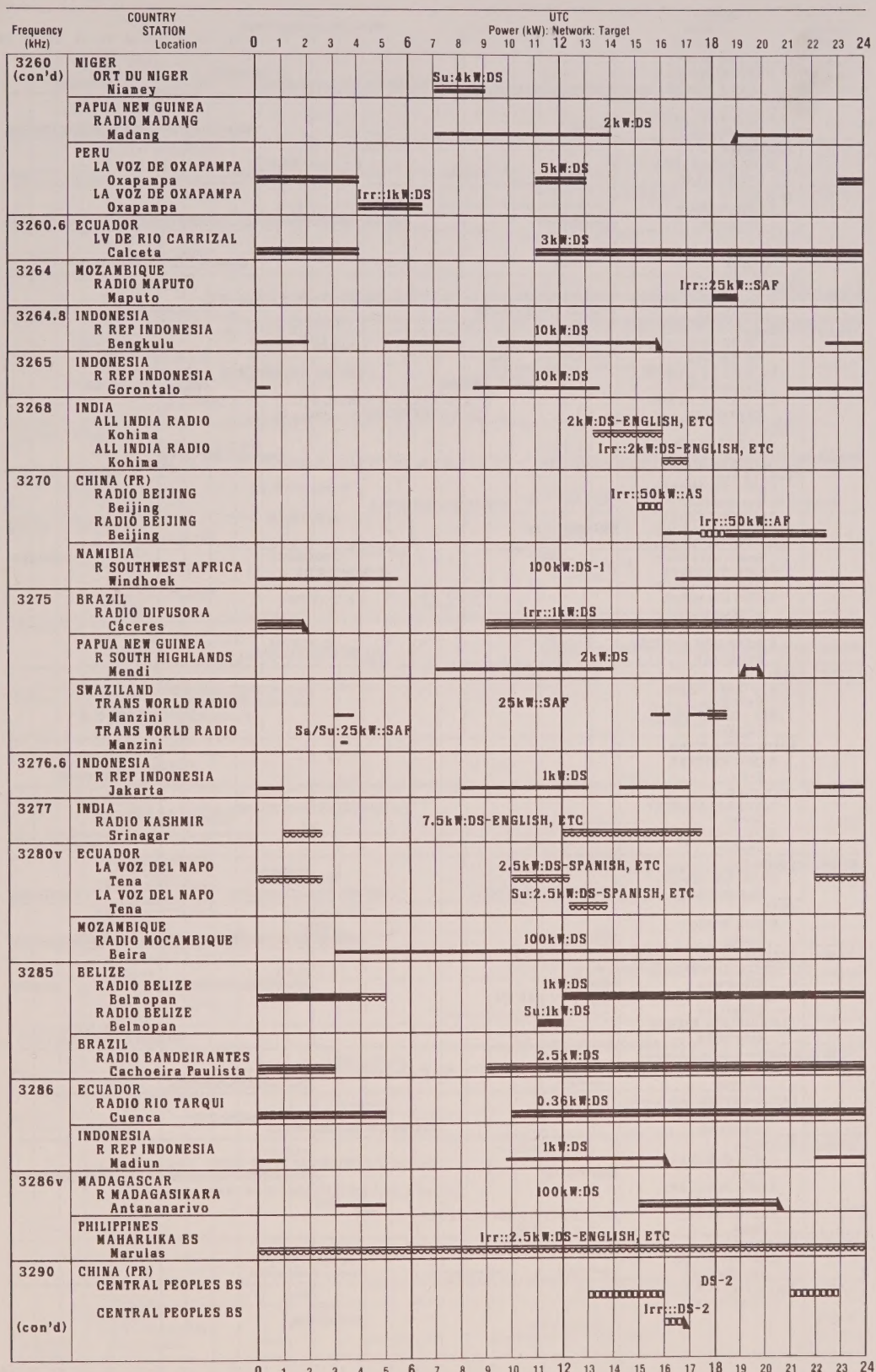
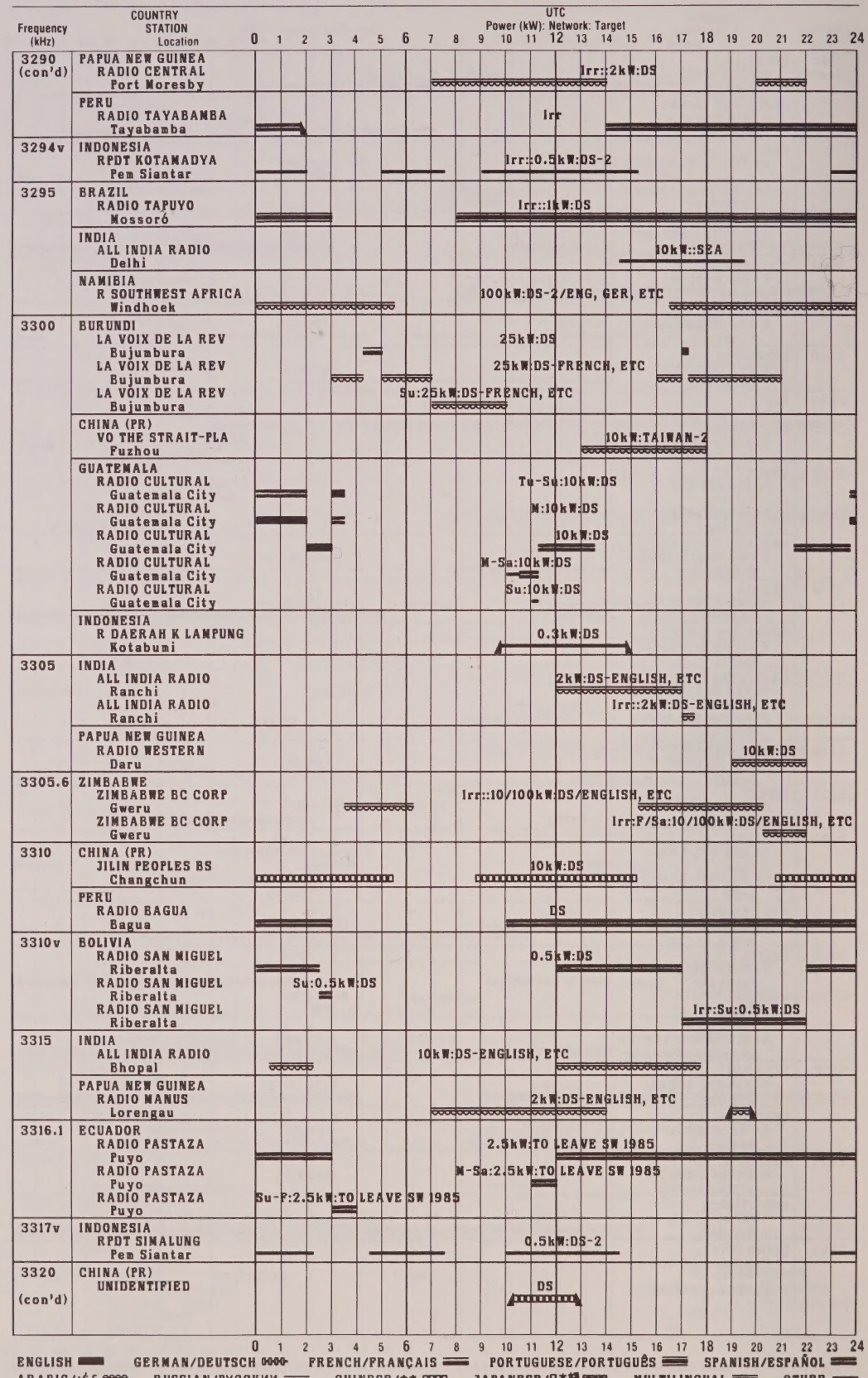
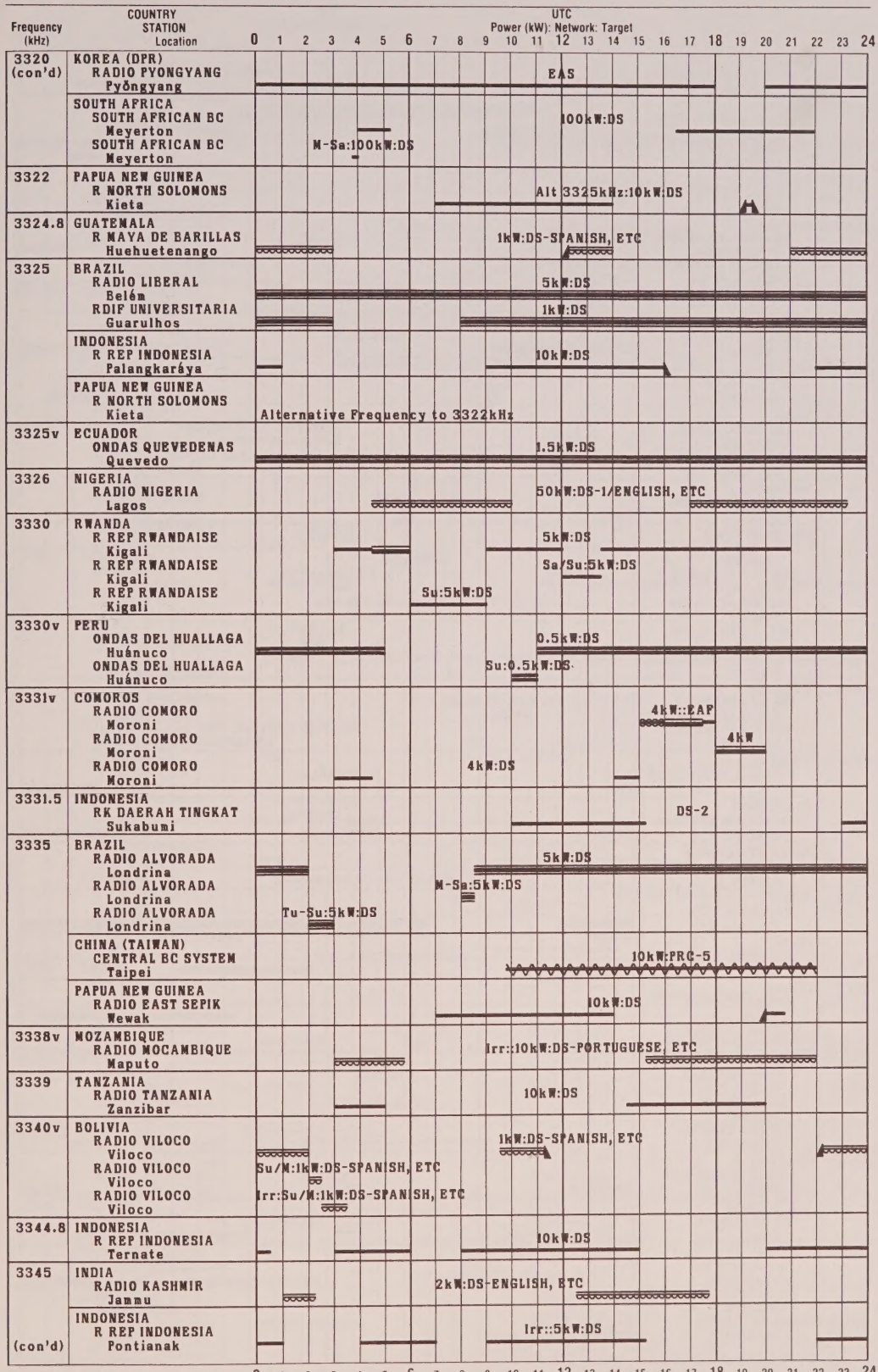
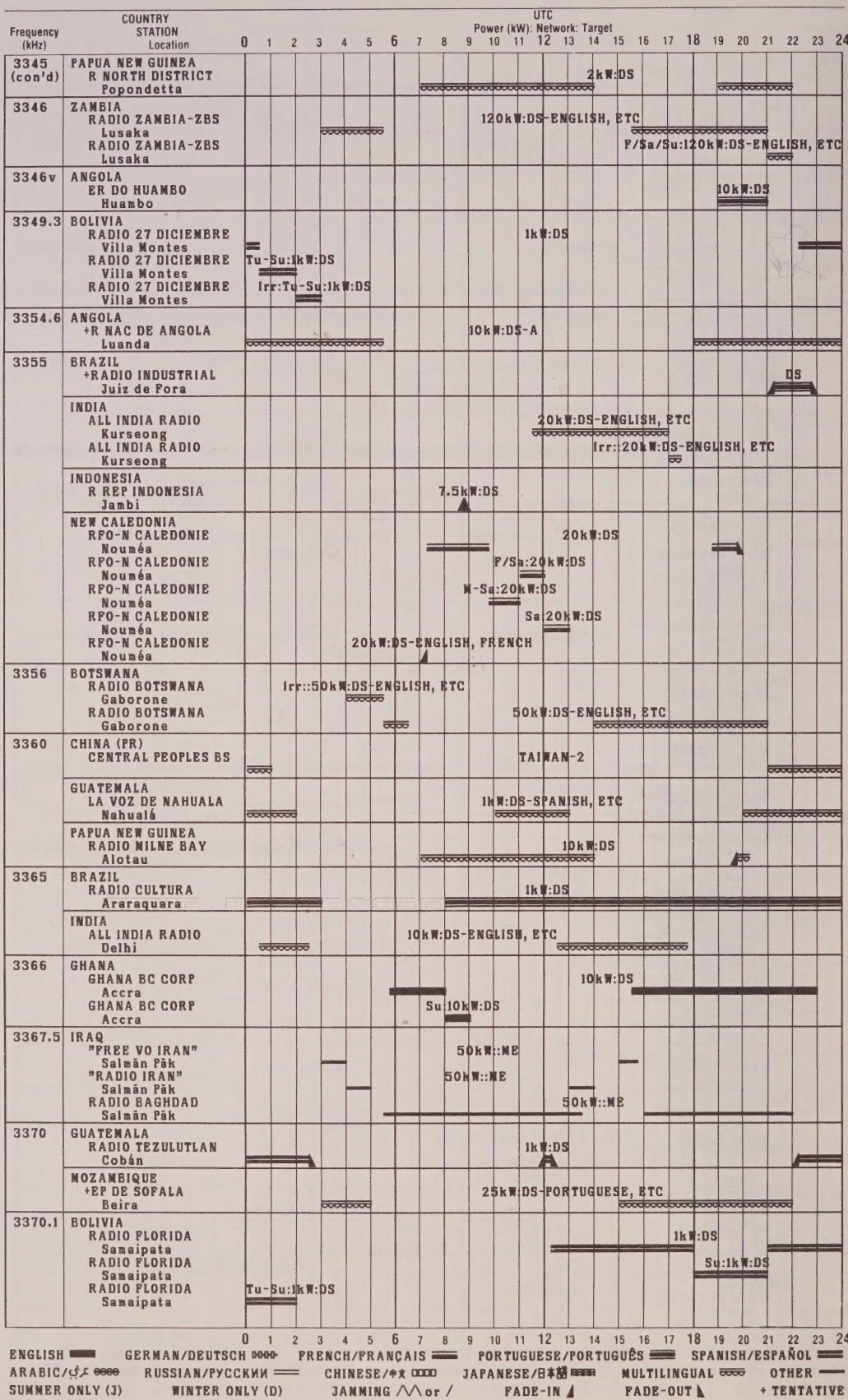

Frequency (kHz)
COUNTRY STATION Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
3077.5 JAPAN NIPPON HOSO KYOKAI Mihara
Irr:::USB:DS(FEEDER)
3171 INDONESIA RKP DAERAH TINGKAT Jember
0.5kW:DS-2
3183v PERU RADIO SAN MARCOS San Marcos
DS
3200 CHINA (PR) VO THE STRAIT-PLA Fuzhou
10kW:TAIWAN-1
LIBYA +RADIO JAMAHIRIYA Tripoli
100kW::NAF/ME
SWAZILAND TRANS WORLD RADIO Manzini
25kW::SAF
3204.3 INDONESIA R REP INDONESIA Bandung
Irr::10kW:DS
3205 BRAZIL R RIBEIRAO PRETO Ribeirão Prêto
1kW:DS
INDIA ALL INDIA RADIO Lucknow
10kW:DS-ENGLISH, ETC
PAPUA NEW GUINEA RADIO WEST SEPIK Vanimo
4kW:DS
3212v MOZAMBIQUE RADIO MOCAMBIQUE Maputo
100kW:DS
3214.6 INDONESIA +R REP INDONESIA Ujung Pandang
DS
3215 CHINA (TAIWAN) CENTRAL BC SYSTEM Hsin-chu
10kW:PRC-2
INDONESIA R REP INDONESIA Manado
10kW:DS
3220 CHINA (PR) CENTRAL PEOPLES BS
DS-1
ECUADOR HCJB-VO THE ANDES Quito
10kW:DS
PAPUA NEW GUINEA RADIO MOROBE Lae
2kW:DS
RADIO MOROBE Lae
Irr::2kW:DS
3222 TOGO RADIO KARA Lama-Kara
10kW:DS
3223 INDIA ALL INDIA RADIO Simla
2.5kW:DS-ENGLISH, ETC
3223v INDONESIA R REP INDONESIA Mataram
5kW:DS
3225 BRAZIL LINS RADIO CLUBE Lins
1kW:DS
INDONESIA R REP INDONESIA Tanjungpinang
10kW:DS
VENEZUELA RADIO OCCIDENTE Tovar
1kW:DS
RADIO OCCIDENTE Tovar
Sa/Su:1kW:DS
3229v PERU R SOL DE LOS ANDES Juliaca
0.4kW:DS-SPANISH, ETC
R SOL DE LOS ANDES Juliaca
Irr::0.4kW:DS
3230 LIBERIA RADIO ELWA Monrovia
10kW:DS
RADIO ELWA Monrovia
Sa-M:10kW:DS
RADIO ELWA Monrovia
Sa/Su:10kW:DS
RADIO ELWA Monrovia
Su:10kW:DS
(con'd)
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH GERMAN/DEUTSCH FRENCH/FRANÇAIS PORTUGUESE/PORTUGUÊS SPANISH/ESPAÑOL
ARABIC/عربي RUSSIAN/РУССКИЙ CHINESE/中文 JAPANESE/日本語 MULTILINGUAL OTHER
SUMMER ONLY (J) WINTER ONLY (D) JAMMING or / FADE-IN FADE-OUT + TENTATIVE

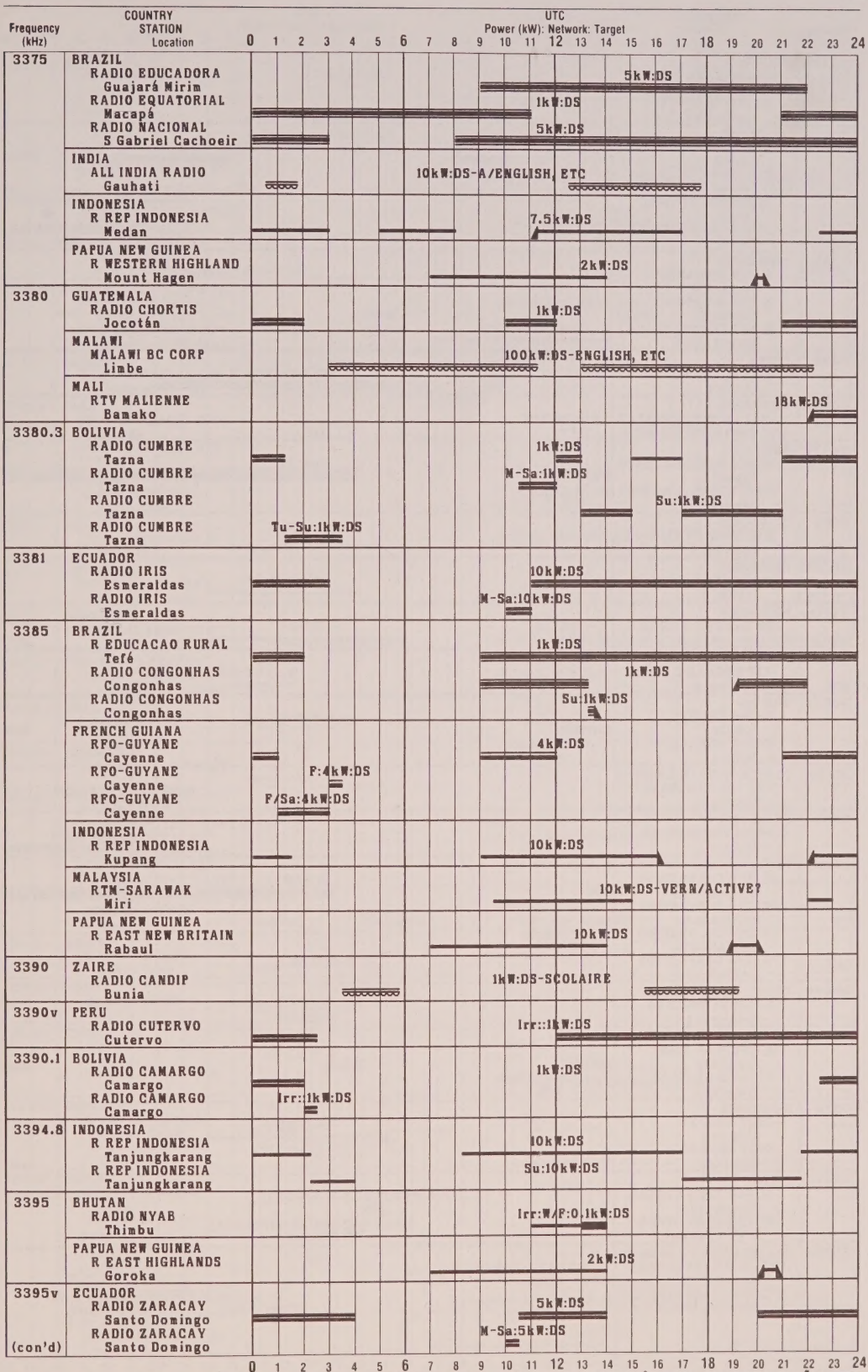

Frequency (kHz)
COUNTRY STATION Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
3230 (con'd)
NEPAL
RADIO NEPAL
Harriharpur
100kW:DS
SOUTH AFRICA
RADIO RSA
Meyerton
250kW::SAF/CAF
3231.8
INDONESIA
R REP INDONESIA
Bukittinggi
10kW:DS
R REP INDONESIA
Bukittinggi
Irr: 10kW:DS
3232.1
CONGO
RTV CONGOLAISE
Brazzaville
Irr::4kW:DS-NATIONALE
3235
BRAZIL
RADIO CLUBE
Marilia
0.5kW:DS
INDIA
ALL INDIA RADIO
Gauhati
10kW:DS-B/ENGLISH, ETC
PAPUA NEW GUINEA
RADIO W N BRITAIN
Kimbe
2kW:DS
3239.6
PERU
RADIO AMERICA
Lima
Irr::2.5kW:DS
3240
SWAZILAND
TRANS WORLD RADIO
Manzini
25kW::SAF
3240v
BRAZIL
RADIO DIFUSORA
Uberlândia
1kW:DS
CLANDESTINE (ASIA)
"VO AFGHANISTAN"
Pakistan
Irr::0.5kW:ANTI-SOVIET:SAS
3241
INDONESIA
R REP INDONESIA
Sibolga
5kW:DS
R REP INDONESIA
Sibolga
Irr::5kW:DS
3241.3
INDONESIA
R REP INDONESIA
Ambon
1kW:DS
3245
BRAZIL
RADIO CLUBE
Varginha
M-Sa:1kW:DS
RADIO CLUBE
Varginha
1kW:DS
PAPUA NEW GUINEA
RADIO GULF
Kerema
Irr::2/10kW:DS
3249.8
INDONESIA
R REP INDONESIA
Banjarmasin
10kW:DS-A
3250
HONDURAS
RADIO LUZ Y VIDA
Santa Bárbara
0.8kW:DS
3255
BRAZIL
R EDUCADORA CARIRI
Crato
1kW:DS
R EDUCADORA CARIRI
Crato
Tu-Su:1kW:DS
LIBERIA
LIBERIAN BC SYSTEM
Monrovia
50kW:DS
LIBERIAN BC SYSTEM
Monrovia
M-F:50kW:DS
LIBERIAN BC SYSTEM
Monrovia
M-Sa:50kW:DS
3255v
VENEZUELA
RADIO 980
El Tigre
1kW:DS
3259
JAPAN
NIPPON HOSO KYOKAI
Sendai
Irr::0.3kW:DS-1
3259.6
INDONESIA
R REP INDONESIA
Kupang
1kW:DS
3260
CHINA (PR)
GUIZHOU PEOPLES BS
Guiyang
10kW:DS
NIGER
ORT DU NIGER
Niamey
4kW:DS
ORT DU NIGER
Niamey
Sa:4kW:DS
ORT DU NIGER
Niamey
(con'd)
Sa/Su:4kW:DS
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH
GERMAN/DEUTSCH
FRENCH/FRANÇAIS
PORTUGUESE/PORTUGUÊS
SPANISH/ESPAÑOL
ARABIC/عربي
RUSSIAN/РУССКИЙ
CHINESE/中文
JAPANESE/日本語
MULTILINGUAL
OTHER
SUMMER ONLY (J)
WINTER ONLY (D)
JAMMING
FADE-IN
FADE-OUT
+ TENTATIVE


Frequency (kHz)
COUNTRY
STATION
Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
3260 (con'd)
NIGER
ORT DU NIGER
Niamey
Su:4kW:DS
PAPUA NEW GUINEA
RADIO MADANG
Madang
2kW:DS
PERU
LA VOZ DE OXAPAMPA
Oxapampa
5kW:DS
LA VOZ DE OXAPAMPA
Oxapampa
Irr:::1kW:DS
3260.6
ECUADOR
LV DE RIO CARRIZAL
Calceta
3kW:DS
3264
MOZAMBIQUE
RADIO MAPUTO
Maputo
Irr:::25kW::SAF
3264.8
INDONESIA
R REP INDONESIA
Bengkulu
10kW:DS
3265
INDONESIA
R REP INDONESIA
Gorontalo
10kW:DS
3268
INDIA
ALL INDIA RADIO
Kohima
2kW:DS-ENGLISH, ETC
ALL INDIA RADIO
Kohima
Irr:::2kW:DS-ENGLISH, ETC
3270
CHINA (PR)
RADIO BEIJING
Beijing
Irr:::50kW::AS
RADIO BEIJING
Beijing
Irr:::50kW::AF
NAMIBIA
R SOUTHWEST AFRICA
Windhoek
100kW:DS-1
3275
BRAZIL
RADIO DIFUSORA
Cáceres
Irr:::1kW:DS
PAPUA NEW GUINEA
R SOUTH HIGHLANDS
Mendi
2kW:DS
SWAZILAND
TRANS WORLD RADIO
Manzini
25kW::SAF
TRANS WORLD RADIO
Manzini
Sa/Su:25kW::SAF
3276.6
INDONESIA
R REP INDONESIA
Jakarta
1kW:DS
3277
INDIA
RADIO KASHMIR
Srinagar
7.5kW:DS-ENGLISH, ETC
3280v
ECUADOR
LA VOZ DEL NAPO
Tena
2.5kW:DS-SPANISH, ETC
LA VOZ DEL NAPO
Tena
Su:2.5kW:DS-SPANISH, ETC
MOZAMBIQUE
RADIO MOCAMBIQUE
Beira
100kW:DS
3285
BELIZE
RADIO BELIZE
Belmopan
1kW:DS
RADIO BELIZE
Belmopan
Su:1kW:DS
BRAZIL
RADIO BANDEIRANTES
Cachoeira Paulista
2.5kW:DS
3286
ECUADOR
RADIO RIO TARQUI
Cuenca
0.36kW:DS
INDONESIA
R REP INDONESIA
Madiun
1kW:DS
3286v
MADAGASCAR
R MADAGASIKARA
Antananarivo
100kW:DS
PHILIPPINES
MAHARLIKA BS
Marulas
Irr:::2.5kW:DS-ENGLISH, ETC
3290 (con'd)
CHINA (PR)
CENTRAL PEOPLES BS
DS-2
CENTRAL PEOPLES BS
Irr:::DS-2
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH
GERMAN/DEUTSCH
FRENCH/FRANÇAIS
PORTUGUESE/PORTUGUÊS
SPANISH/ESPAÑOL
ARABIC/
RUSSIAN/РУССКИЙ
CHINESE/
JAPANESE/
MULTILINGUAL
OTHER
SUMMER ONLY (J)
WINTER ONLY (D)
JAMMING or /
FADE-IN
FADE-OUT
+ TENTATIVE


Frequency (kHz)
COUNTRY STATION Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
3290 (con'd)
PAPUA NEW GUINEA
RADIO CENTRAL
Port Moresby
Irr::2kW:DS
PERU
RADIO TAYABAMBA
Tayabamba
Irr
3294v
INDONESIA
RPDT KOTAMADYA
Pem Siantar
Irr::0.5kW:DS-2
3295
BRAZIL
RADIO TAPUYO
Mossoró
Irr::1kW:DS
INDIA
ALL INDIA RADIO
Delhi
10kW::SEA
NAMIBIA
R SOUTHWEST AFRICA
Windhoek
100kW:DS-2/ENG, GER, ETC
3300
BURUNDI
LA VOIX DE LA REV
Bujumbura
25kW:DS
LA VOIX DE LA REV
Bujumbura
25kW:DS-FRENCH, ETC
LA VOIX DE LA REV
Bujumbura
Su:25kW:DS-FRENCH, ETC
CHINA (PR)
VO THE STRAIT-PLA
Fuzhou
10kW:TAIWAN-2
GUATEMALA
RADIO CULTURAL
Guatemala City
Tu-Su:10kW:DS
RADIO CULTURAL
Guatemala City
M:10kW:DS
RADIO CULTURAL
Guatemala City
10kW:DS
RADIO CULTURAL
Guatemala City
M-Sa:10kW:DS
RADIO CULTURAL
Guatemala City
Su:10kW:DS
INDONESIA
R DAERAH K LAMPUNG
Kotabumi
0.3kW:DS
3305
INDIA
ALL INDIA RADIO
Ranchi
2kW:DS-ENGLISH, ETC
ALL INDIA RADIO
Ranchi
Irr::2kW:DS-ENGLISH, ETC
PAPUA NEW GUINEA
RADIO WESTERN
Daru
10kW:DS
3305.6
ZIMBABWE
ZIMBABWE BC CORP
Gweru
Irr::10/100kW:DS/ENGLISH, ETC
ZIMBABWE BC CORP
Gweru
Irr:F/Sa:10/100kW:DS/ENGLISH, ETC
3310
CHINA (PR)
JILIN PEOPLES BS
Changchun
10kW:DS
PERU
RADIO BAGUA
Bagua
DS
3310v
BOLIVIA
RADIO SAN MIGUEL
Riberalta
0.5kW:DS
RADIO SAN MIGUEL
Riberalta
Su:0.5kW:DS
RADIO SAN MIGUEL
Riberalta
Irr:Su:0.5kW:DS
3315
INDIA
ALL INDIA RADIO
Bhopal
10kW:DS-ENGLISH, ETC
PAPUA NEW GUINEA
RADIO MANUS
Lorengau
2kW:DS-ENGLISH, ETC
3316.1
ECUADOR
RADIO PASTAZA
Puyo
2.5kW:TO LEAVE SW 1985
RADIO PASTAZA
Puyo
M-Sa:2.5kW:TO LEAVE SW 1985
RADIO PASTAZA
Puyo
Su-F:2.5kW:TO LEAVE SW 1985
3317v
INDONESIA
RPDT SIMALUNG
Pem Siantar
0.5kW:DS-2
3320 (con'd)
CHINA (PR)
UNIDENTIFIED
DS
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH
GERMAN/DEUTSCH
FRENCH/FRANÇAIS
PORTUGUESE/PORTUGUÊS
SPANISH/ESPAÑOL
ARABIC/عربي
RUSSIAN/РУССКИЙ
CHINESE/中文
JAPANESE/日本語
MULTILINGUAL
OTHER
SUMMER ONLY (J)
WINTER ONLY (D)
JAMMING ⋀⋀ or /
FADE-IN
FADE-OUT
+ TENTATIVE


Frequency (kHz)
COUNTRY STATION Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
3320 (con'd)
KOREA (DPR)
RADIO PYONGYANG
Pyŏngyang
EAS
SOUTH AFRICA
SOUTH AFRICAN BC
Meyerton
100kW:DS
SOUTH AFRICAN BC
Meyerton
M-Sa:100kW:DS
3322
PAPUA NEW GUINEA
R NORTH SOLOMONS
Kieta
Alt 3325kHz:10kW:DS
3324.8
GUATEMALA
R MAYA DE BARILLAS
Huehuetenango
1kW:DS-SPANISH, ETC
3325
BRAZIL
RADIO LIBERAL
Belém
5kW:DS
RDIF UNIVERSITARIA
Guarulhos
1kW:DS
INDONESIA
R REP INDONESIA
Palangkaráya
10kW:DS
PAPUA NEW GUINEA
R NORTH SOLOMONS
Kieta
Alternative Frequency to 3322kHz
3325v
ECUADOR
ONDAS QUEVEDENAS
Quevedo
1.5kW:DS
3326
NIGERIA
RADIO NIGERIA
Lagos
50kW:DS-1/ENGLISH, ETC
3330
RWANDA
R REP RWANDAISE
Kigali
5kW:DS
R REP RWANDAISE
Kigali
Sa/Su:5kW:DS
R REP RWANDAISE
Kigali
Su:5kW:DS
3330v
PERU
ONDAS DEL HUALLAGA
Huánuco
0.5kW:DS
ONDAS DEL HUALLAGA
Huánuco
Su:0.5kW:DS
3331v
COMOROS
RADIO COMORO
Moroni
4kW::EAP
RADIO COMORO
Moroni
4kW
RADIO COMORO
Moroni
4kW:DS
3331.5
INDONESIA
RK DAERAH TINGKAT
Sukabumi
DS-2
3335
BRAZIL
RADIO ALVORADA
Londrina
5kW:DS
RADIO ALVORADA
Londrina
M-Sa:5kW:DS
RADIO ALVORADA
Londrina
Tu-Su:5kW:DS
CHINA (TAIWAN)
CENTRAL BC SYSTEM
Taipei
10kW:PRC-5
PAPUA NEW GUINEA
RADIO EAST SEPIK
Wewak
10kW:DS
3338v
MOZAMBIQUE
RADIO MOCAMBIQUE
Maputo
Irr::10kW:DS-PORTUGUESE, ETC
3339
TANZANIA
RADIO TANZANIA
Zanzibar
10kW:DS
3340v
BOLIVIA
RADIO VILOCO
Viloco
1kW:DS-SPANISH, ETC
RADIO VILOCO
Viloco
Su/M:1kW:DS-SPANISH, ETC
RADIO VILOCO
Viloco
Irr:Su/M:1kW:DS-SPANISH, ETC
3344.8
INDONESIA
R REP INDONESIA
Ternate
10kW:DS
3345
INDIA
RADIO KASHMIR
Jammu
2kW:DS-ENGLISH, ETC
INDONESIA
R REP INDONESIA
Pontianak
(con'd)
Irr::5kW:DS
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH
GERMAN/DEUTSCH
FRENCH/FRANÇAIS
PORTUGUESE/PORTUGUÊS
SPANISH/ESPAÑOL
ARABIC/عربي
RUSSIAN/РУССКИЙ
CHINESE/中文
JAPANESE/日本語
MULTILINGUAL
OTHER
SUMMER ONLY (J)
WINTER ONLY (D)
JAMMING
or /
FADE-IN
FADE-OUT
+ TENTATIVE


Frequency (kHz)
COUNTRY
STATION
Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
3345 (con'd)
PAPUA NEW GUINEA
R NORTH DISTRICT
Popondetta
2kW:DS
3346
ZAMBIA
RADIO ZAMBIA-ZBS
Lusaka
120kW:DS-ENGLISH, ETC
RADIO ZAMBIA-ZBS
Lusaka
F/Sa/Su:120kW:DS-ENGLISH, ETC
3346v
ANGOLA
ER DO HUAMBO
Huambo
10kW:DS
3349.3
BOLIVIA
RADIO 27 DICIEMBRE
Villa Montes
1kW:DS
RADIO 27 DICIEMBRE
Villa Montes
Tu-Su:1kW:DS
RADIO 27 DICIEMBRE
Villa Montes
Irr:Tu-Su:1kW:DS
3354.6
ANGOLA
+R NAC DE ANGOLA
Luanda
10kW:DS-A
3355
BRAZIL
+RADIO INDUSTRIAL
Juiz de Fora
DS
INDIA
ALL INDIA RADIO
Kurseong
20kW:DS-ENGLISH, ETC
ALL INDIA RADIO
Kurseong
Irr::20kW:DS-ENGLISH, ETC
INDONESIA
R REP INDONESIA
Jambi
7.5kW:DS
NEW CALEDONIA
RFO-N CALEDONIE
Nouméa
20kW:DS
RFO-N CALEDONIE
Nouméa
F/Sa:20kW:DS
RFO-N CALEDONIE
Nouméa
M-Sa:20kW:DS
RFO-N CALEDONIE
Nouméa
Sa 20kW:DS
RFO-N CALEDONIE
Nouméa
20kW:DS-ENGLISH, FRENCH
3356
BOTSWANA
RADIO BOTSWANA
Gaborone
Irr::50kW:DS-ENGLISH, ETC
RADIO BOTSWANA
Gaborone
50kW:DS-ENGLISH, ETC
3360
CHINA (PR)
CENTRAL PEOPLES BS
TAIWAN-2
GUATEMALA
LA VOZ DE NAHUALA
Nahualá
1kW:DS-SPANISH, ETC
PAPUA NEW GUINEA
RADIO MILNE BAY
Alotau
10kW:DS
3365
BRAZIL
RADIO CULTURA
Araraquara
1kW:DS
INDIA
ALL INDIA RADIO
Delhi
10kW:DS-ENGLISH, ETC
3366
GHANA
GHANA BC CORP
Accra
10kW:DS
GHANA BC CORP
Accra
Su:10kW:DS
3367.5
IRAQ
"FREE VO IRAN"
Salmān Pāk
50kW::ME
"RADIO IRAN"
Salmān Pāk
50kW::ME
RADIO BAGHDAD
Salmān Pāk
50kW::ME
3370
GUATEMALA
RADIO TEZULUTLAN
Cobán
1kW:DS
MOZAMBIQUE
+EP DE SOFALA
Beira
25kW:DS-PORTUGUESE, ETC
3370.1
BOLIVIA
RADIO FLORIDA
Samaipata
1kW:DS
RADIO FLORIDA
Samaipata
Su:1kW:DS
RADIO FLORIDA
Samaipata
Tu-Su:1kW:DS
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH
GERMAN/DEUTSCH
FRENCH/FRANÇAIS
PORTUGUESE/PORTUGUÊS
SPANISH/ESPAÑOL
ARABIC/عربي
RUSSIAN/РУССКИЙ
CHINESE/中文
JAPANESE/日本語
MULTILINGUAL
OTHER
SUMMER ONLY (J)
WINTER ONLY (D)
JAMMING
FADE-IN
FADE-OUT
+ TENTATIVE


Frequency (kHz)
COUNTRY
STATION
Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
3375
BRAZIL
RADIO EDUCADORA
Guajará Mirim
5kW:DS
RADIO EQUATORIAL
Macapá
1kW:DS
RADIO NACIONAL
S Gabriel Cachoeir
5kW:DS
INDIA
ALL INDIA RADIO
Gauhati
10kW:DS-A/ENGLISH, ETC
INDONESIA
R REP INDONESIA
Medan
7.5kW:DS
PAPUA NEW GUINEA
R WESTERN HIGHLAND
Mount Hagen
2kW:DS
3380
GUATEMALA
RADIO CHORTIS
Jocotán
1kW:DS
MALAWI
MALAWI BC CORP
Limbe
100kW:DS-ENGLISH, ETC
MALI
RTV MALIENNE
Bamako
18kW:DS
3380.3
BOLIVIA
RADIO CUMBRE
Tazna
1kW:DS
RADIO CUMBRE
Tazna
M-Sa:1kW:DS
RADIO CUMBRE
Tazna
Su:1kW:DS
RADIO CUMBRE
Tazna
Tu-Su:1kW:DS
3381
ECUADOR
RADIO IRIS
Esmeraldas
10kW:DS
RADIO IRIS
Esmeraldas
M-Sa:10kW:DS
3385
BRAZIL
R EDUCACAO RURAL
Tefé
1kW:DS
RADIO CONGONHAS
Congonhas
1kW:DS
RADIO CONGONHAS
Congonhas
Su:1kW:DS
FRENCH GUIANA
RFO-GUYANE
Cayenne
4kW:DS
RFO-GUYANE
Cayenne
F:4kW:DS
RFO-GUYANE
Cayenne
F/Sa:4kW:DS
INDONESIA
R REP INDONESIA
Kupang
10kW:DS
MALAYSIA
RTM-SARAWAK
Miri
10kW:DS+VERN/ACTIVE?
PAPUA NEW GUINEA
R EAST NEW BRITAIN
Rabaul
10kW:DS
3390
ZAIRE
RADIO CANDIP
Bunia
1kW:DS-SCOLAIRE
3390v
PERU
RADIO CUTERVO
Cutervo
Irr::1kW:DS
3390.1
BOLIVIA
RADIO CAMARGO
Camargo
1kW:DS
RADIO CAMARGO
Camargo
Irr::1kW:DS
3394.8
INDONESIA
R REP INDONESIA
Tanjungkarang
10kW:DS
R REP INDONESIA
Tanjungkarang
Su:10kW:DS
3395
BHUTAN
RADIO NYAB
Thimbu
Irr:W/F:0.1kW:DS
PAPUA NEW GUINEA
R EAST HIGHLANDS
Goroka
2kW:DS
3395v (con'd)
ECUADOR
RADIO ZARACAY
Santo Domingo
5kW:DS
RADIO ZARACAY
Santo Domingo
M-Sa:5kW:DS
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH
GERMAN/DEUTSCH
FRENCH/FRANÇAIS
PORTUGUESE/PORTUGUÊS
SPANISH/ESPAÑOL
ARABIC/عربي
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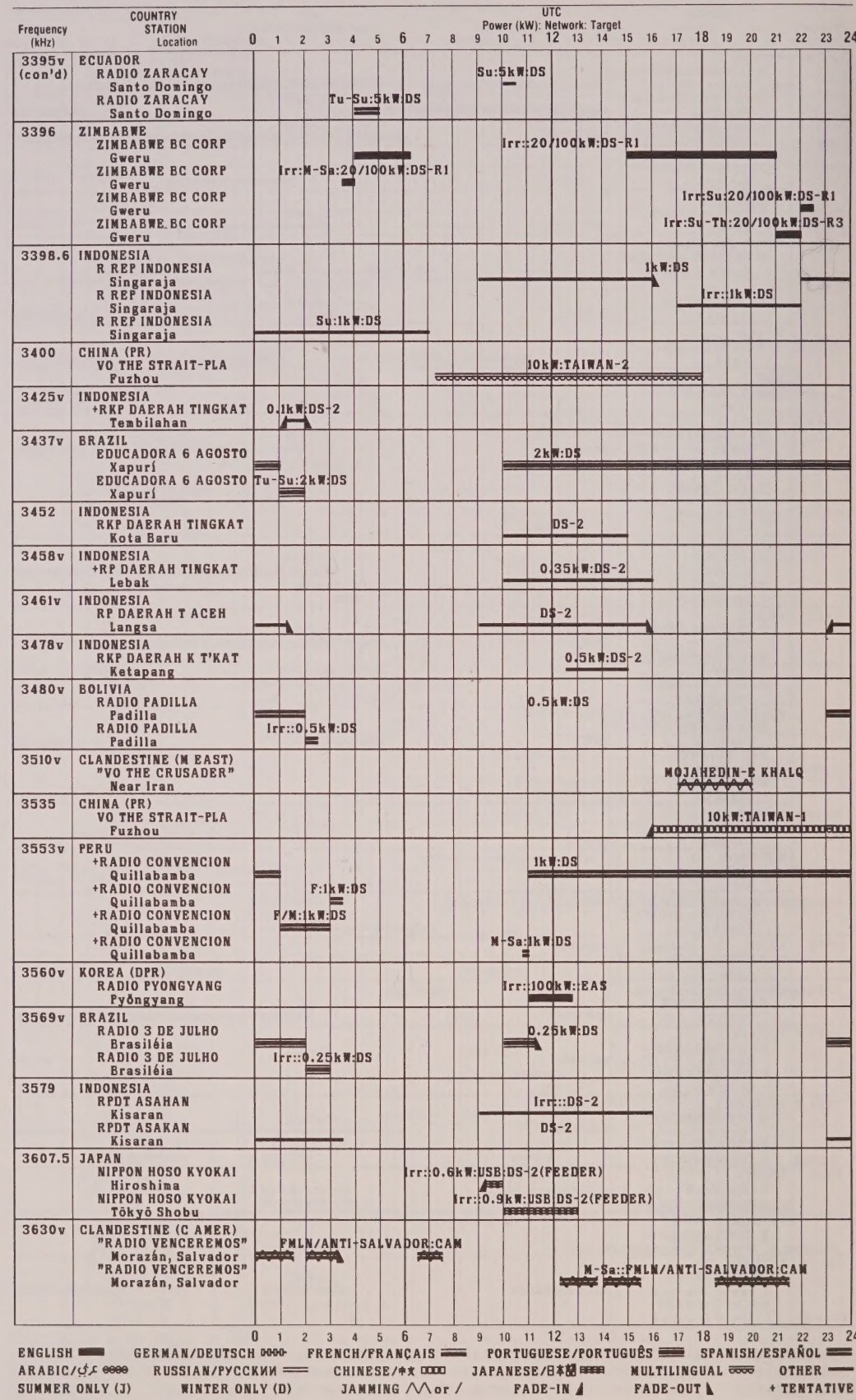
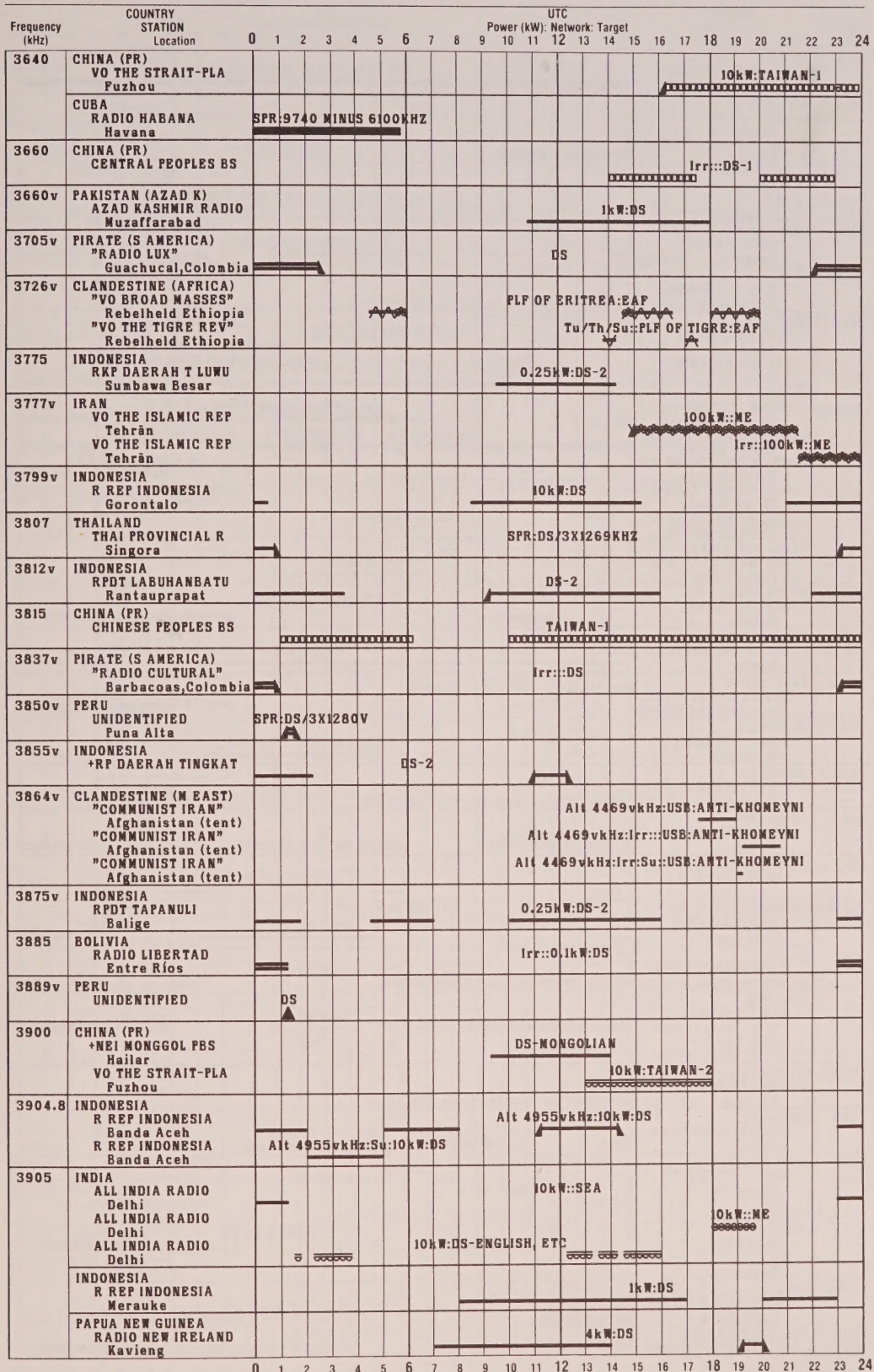
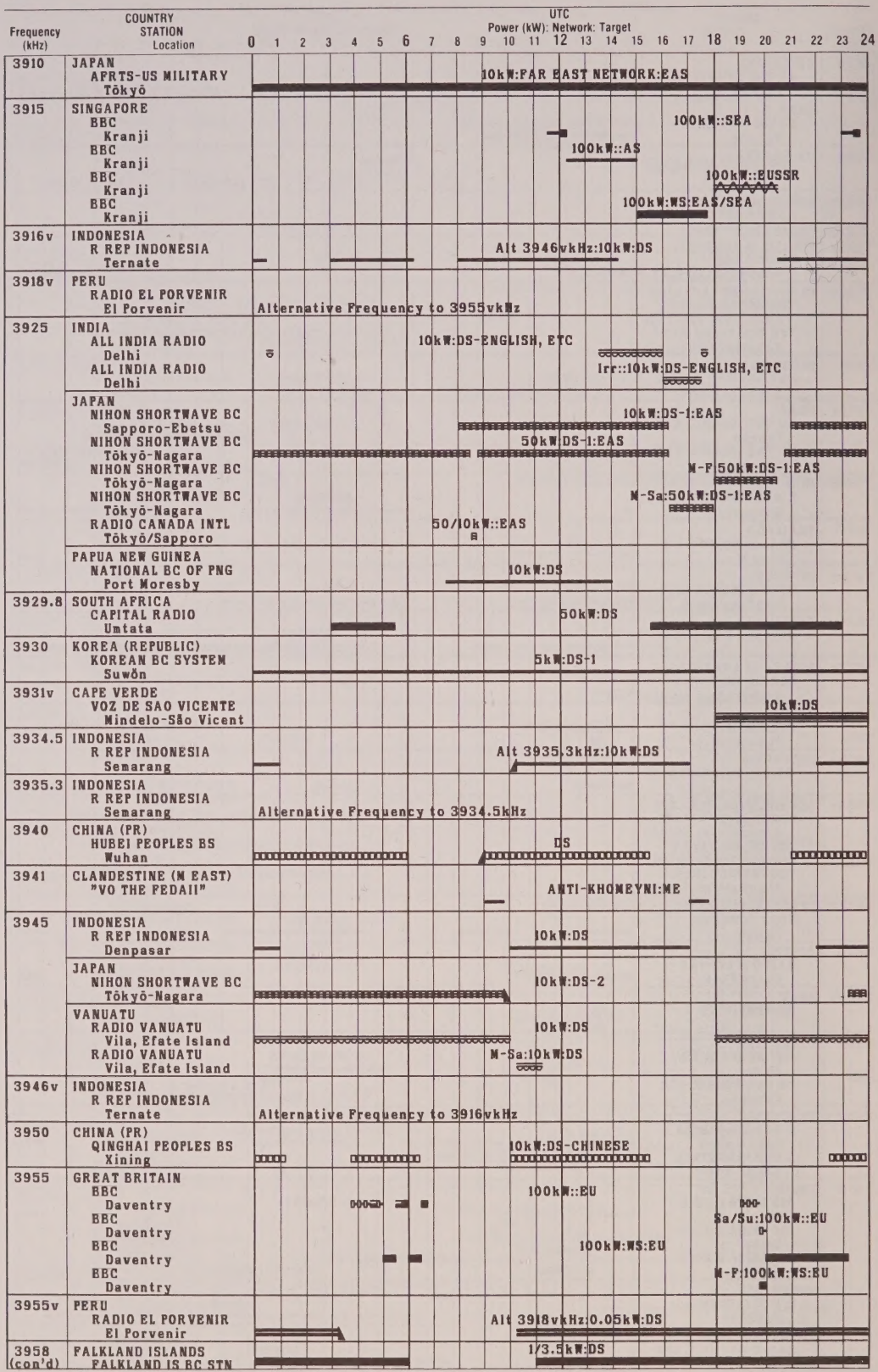
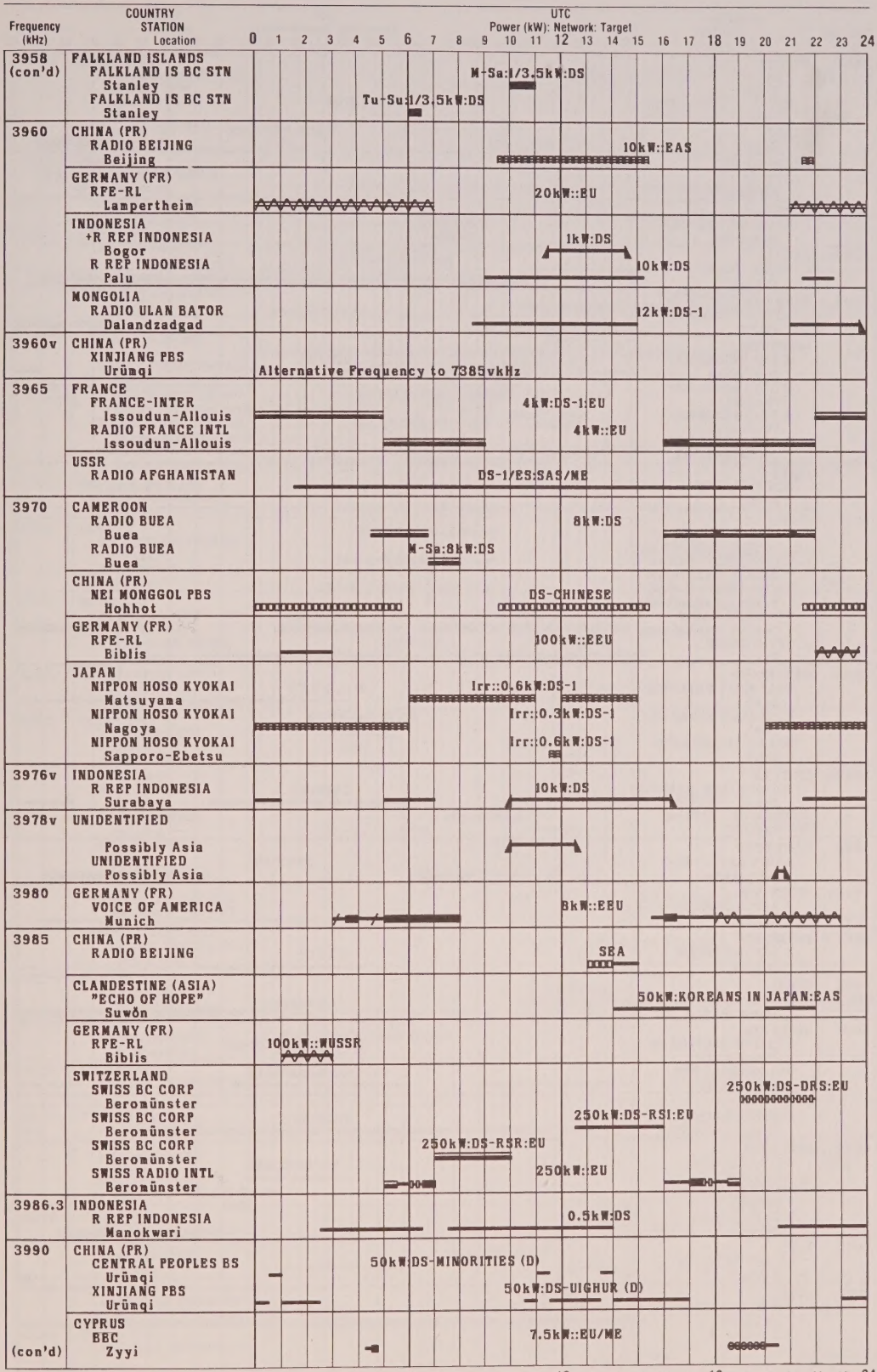
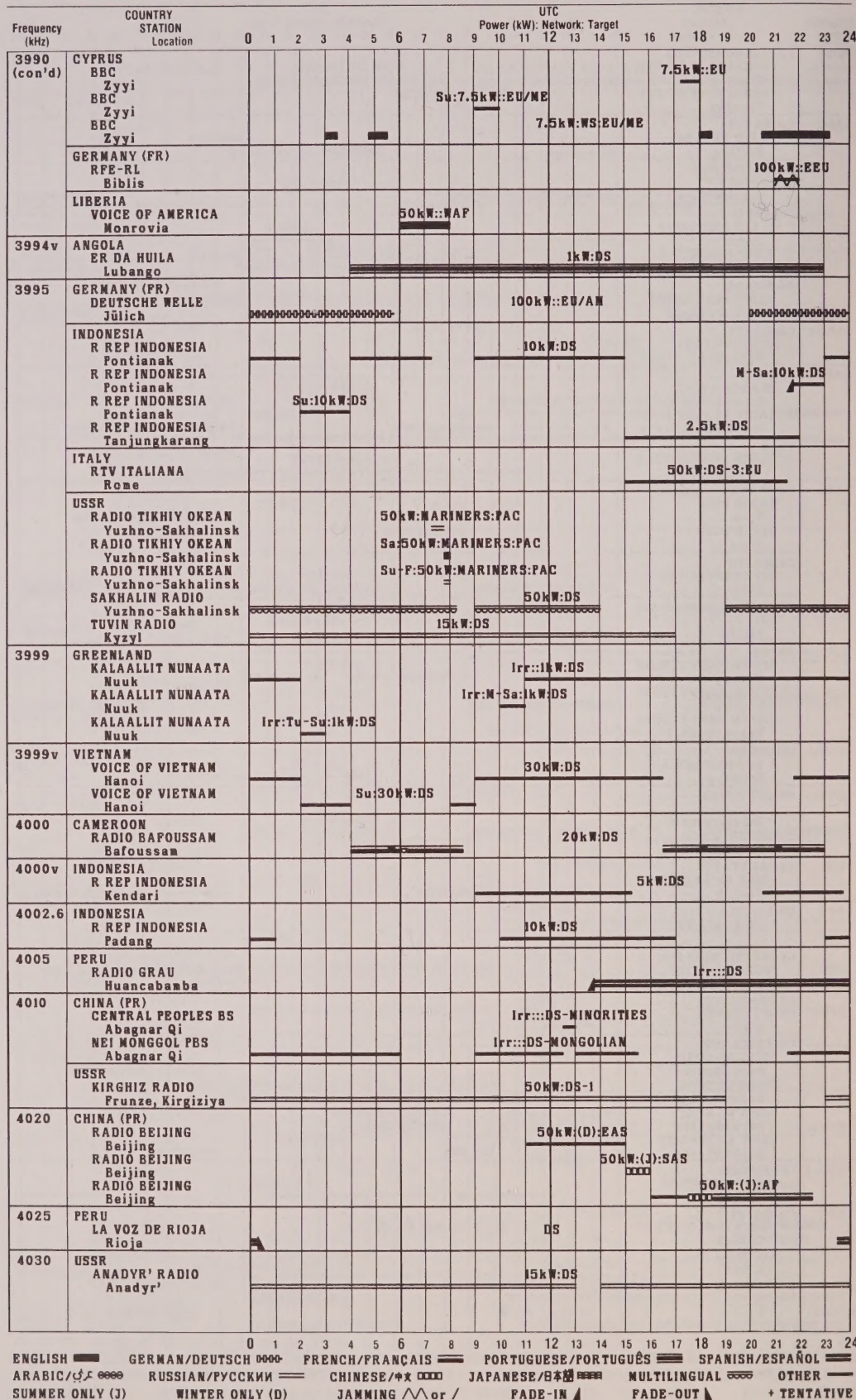
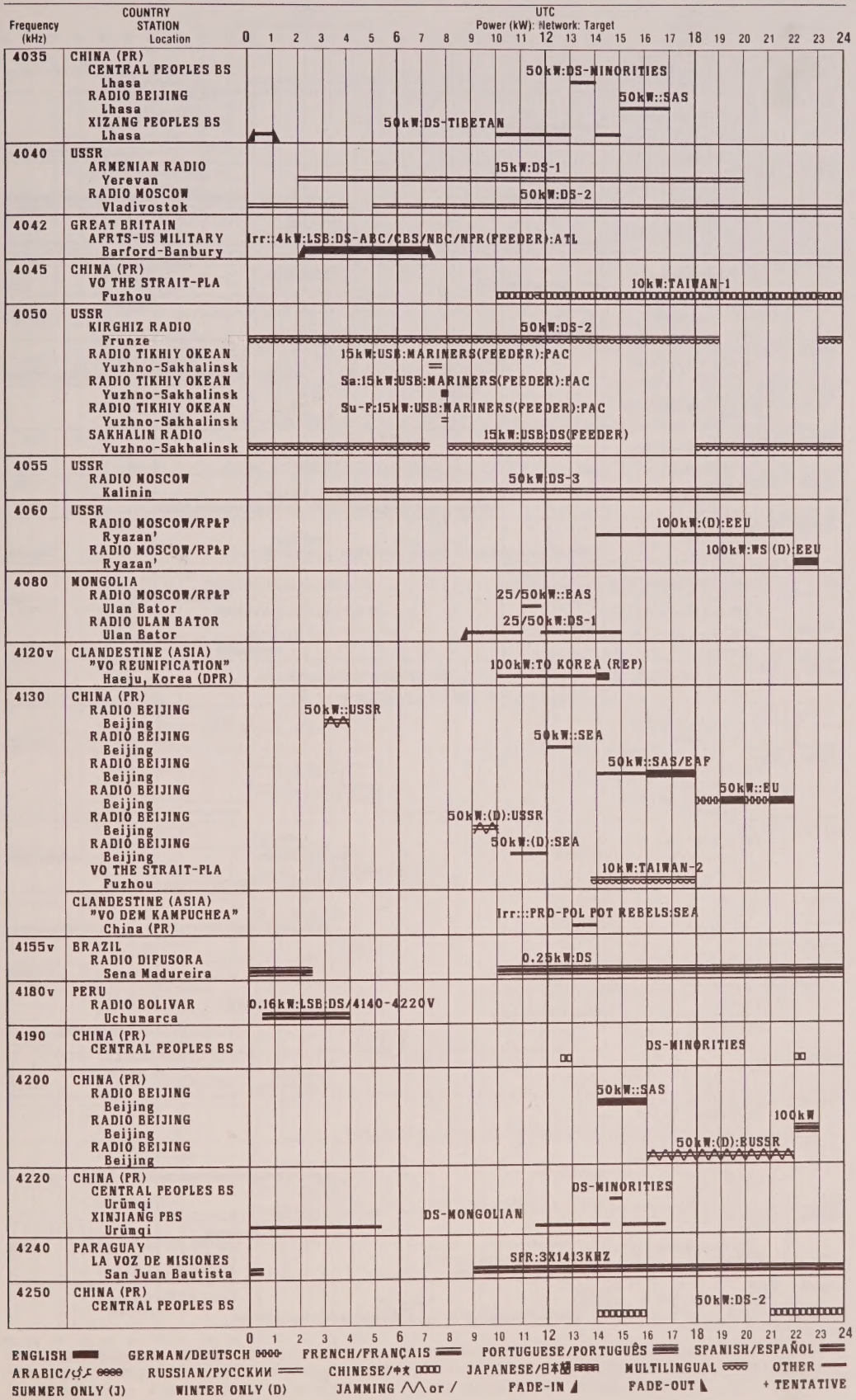

Frequency (kHz)
COUNTRY STATION Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
3395v (con'd)
ECUADOR
RADIO ZARACAY Santo Domingo
RADIO ZARACAY Santo Domingo
Su:5kW:DS
Tu-Su:5kW:DS
3396
ZIMBABWE
ZIMBABWE BC CORP Gweru
ZIMBABWE BC CORP Gweru
ZIMBABWE BC CORP Gweru
ZIMBABWE BC CORP Gweru
Irr::20/100kW:DS-R1
Irr:M-Sa:20/100kW:DS-R1
Irr:Su:20/100kW:DS-R1
Irr:Su-Th:20/100kW:DS-R3
3398.6
INDONESIA
R REP INDONESIA Singaraja
R REP INDONESIA Singaraja
R REP INDONESIA Singaraja
1kW:DS
Irr::1kW:DS
Su:1kW:DS
3400
CHINA (PR)
VO THE STRAIT-PLA Fuzhou
10kW:TAIWAN-2
3425v
INDONESIA
+RKP DAERAH TINGKAT Tembilahan
0.1kW:DS-2
3437v
BRAZIL
EDUCADORA 6 AGOSTO Xapurí
EDUCADORA 6 AGOSTO Xapurí
2kW:DS
Tu-Su:2kW:DS
3452
INDONESIA
RKP DAERAH TINGKAT Kota Baru
DS-2
3458v
INDONESIA
+RP DAERAH TINGKAT Lebak
0.35kW:DS-2
3461v
INDONESIA
RP DAERAH T ACEH Langsa
DS-2
3478v
INDONESIA
RKP DAERAH K T'KAT Ketapang
0.5kW:DS-2
3480v
BOLIVIA
RADIO PADILLA Padilla
RADIO PADILLA Padilla
0.5kW:DS
Irr::0.5kW:DS
3510v
CLANDESTINE (M EAST)
"VO THE CRUSADER" Near Iran
MOJAHEDIN-E KHALQ
3535
CHINA (PR)
VO THE STRAIT-PLA Fuzhou
10kW:TAIWAN-1
3553v
PERU
+RADIO CONVENCION Quillabamba
+RADIO CONVENCION Quillabamba
+RADIO CONVENCION Quillabamba
+RADIO CONVENCION Quillabamba
1kW:DS
F:1kW:DS
F/M:1kW:DS
M-Sa:1kW:DS
3560v
KOREA (DPR)
RADIO PYONGYANG Pyŏngyang
Irr::100kW::EAS
3569v
BRAZIL
RADIO 3 DE JULHO Brasiléia
RADIO 3 DE JULHO Brasiléia
0.25kW:DS
Irr::0.25kW:DS
3579
INDONESIA
RPDT ASAHAN Kisaran
RPDT ASAKAN Kisaran
Irr:::DS-2
DS-2
3607.5
JAPAN
NIPPON HOSO KYOKAI Hiroshima
NIPPON HOSO KYOKAI Tōkyō Shobu
Irr::0.6kW:USB:DS-2(FEEDER)
Irr::0.9kW:USB:DS-2(FEEDER)
3630v
CLANDESTINE (C AMER)
"RADIO VENCEREMOS" Morazán, Salvador
"RADIO VENCEREMOS" Morazán, Salvador
FMLN/ANTI-SALVADOR:CAM
M-Sa::FMLN/ANTI-SALVADOR:CAM
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH
GERMAN/DEUTSCH
FRENCH/FRANÇAIS
PORTUGUESE/PORTUGUÊS
SPANISH/ESPAÑOL
ARABIC/عربي
RUSSIAN/РУССКИЙ
CHINESE/中文
JAPANESE/日本語
MULTILINGUAL
OTHER
SUMMER ONLY (J)
WINTER ONLY (D)
JAMMING or /
FADE-IN
FADE-OUT
+ TENTATIVE

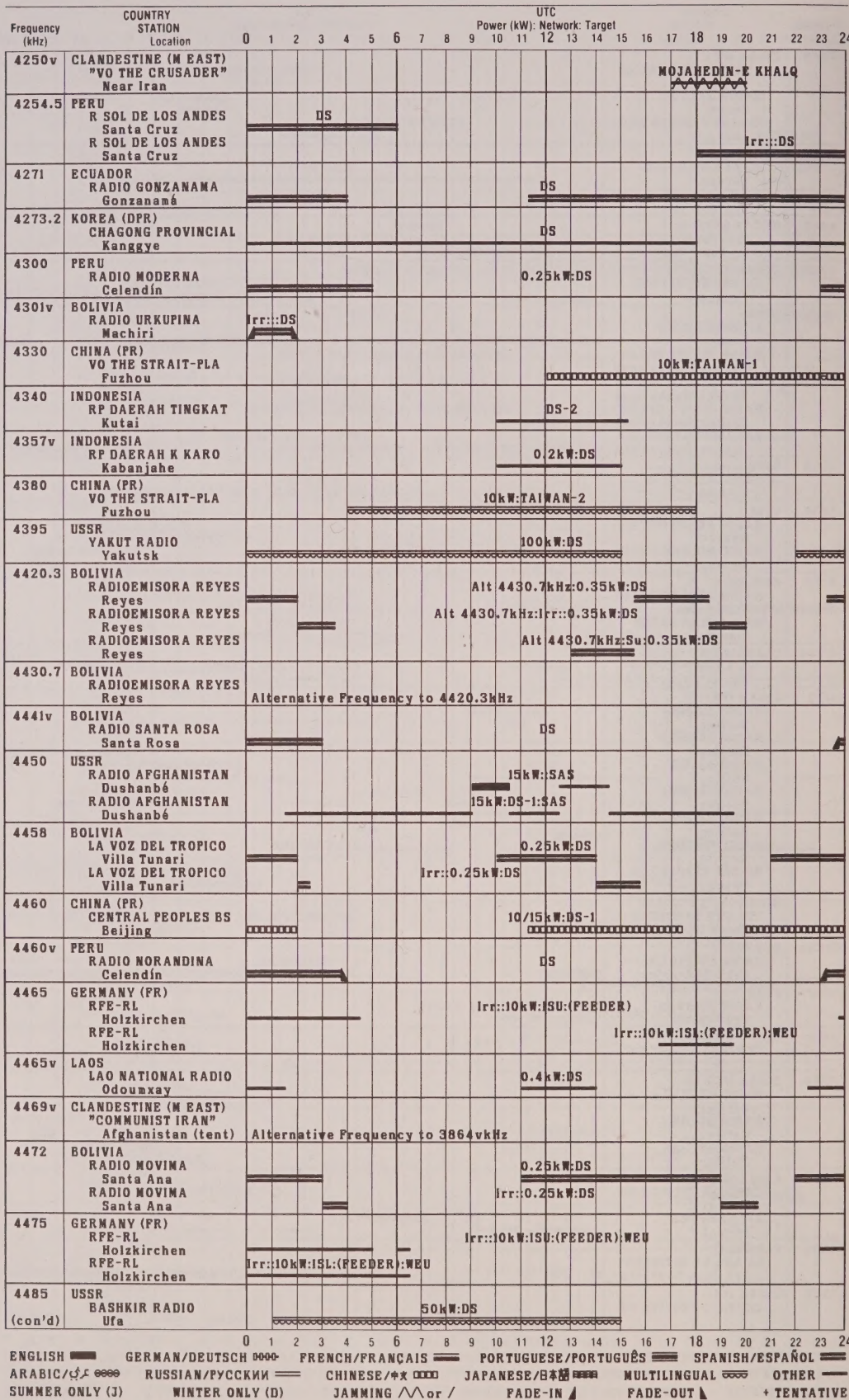

Frequency (kHz)
COUNTRY STATION Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
3640
CHINA (PR)
VO THE STRAIT-PLA
Fuzhou
10kW:TAIWAN-1
CUBA
RADIO HABANA
Havana
SPR:9740 MINUS 6100KHZ
3660
CHINA (PR)
CENTRAL PEOPLES BS
Irr:::DS-1
3660v
PAKISTAN (AZAD K)
AZAD KASHMIR RADIO
Muzaffarabad
1kW:DS
3705v
PIRATE (S AMERICA)
"RADIO LUX"
Guachucal,Colombia
DS
3726v
CLANDESTINE (AFRICA)
"VO BROAD MASSES"
Rebelheld Ethiopia
"VO THE TIGRE REV"
Rebelheld Ethiopia
PLF OF ERITREA:EAF
Tu/Th/Su::PLF OF TIGRE:EAF
3775
INDONESIA
RKP DAERAH T LUWU
Sumbawa Besar
0.25kW:DS-2
3777v
IRAN
VO THE ISLAMIC REP
Tehrān
VO THE ISLAMIC REP
Tehrān
100kW::ME
Irr::100kW::ME
3799v
INDONESIA
R REP INDONESIA
Gorontalo
10kW:DS
3807
THAILAND
THAI PROVINCIAL R
Singora
SPR:DS/3X1269KHZ
3812v
INDONESIA
RPDT LABUHANBATU
Rantauprapat
DS-2
3815
CHINA (PR)
CHINESE PEOPLES BS
TAIWAN-1
3837v
PIRATE (S AMERICA)
"RADIO CULTURAL"
Barbacoas,Colombia
Irr:::DS
3850v
PERU
UNIDENTIFIED
Puna Alta
SPR:DS/3X1280V
3855v
INDONESIA
+RP DAERAH TINGKAT
DS-2
3864v
CLANDESTINE (M EAST)
"COMMUNIST IRAN"
Afghanistan (tent)
"COMMUNIST IRAN"
Afghanistan (tent)
"COMMUNIST IRAN"
Afghanistan (tent)
Alt 4469vkHz:USB:ANTI-KHOMEYNI
Alt 4469vkHz:Irr:::USB:ANTI-KHOMEYNI
Alt 4469vkHz:Irr:Su::USB:ANTI-KHOMEYNI
3875v
INDONESIA
RPDT TAPANULI
Balige
0.25kW:DS-2
3885
BOLIVIA
RADIO LIBERTAD
Entre Ríos
Irr::0.1kW:DS
3889v
PERU
UNIDENTIFIED
DS
3900
CHINA (PR)
+NEI MONGGOL PBS
Hailar
VO THE STRAIT-PLA
Fuzhou
DS-MONGOLIAN
10kW:TAIWAN-2
3904.8
INDONESIA
R REP INDONESIA
Banda Aceh
R REP INDONESIA
Banda Aceh
Alt 4955vkHz:10kW:DS
Alt 4955vkHz:Su:10kW:DS
3905
INDIA
ALL INDIA RADIO
Delhi
ALL INDIA RADIO
Delhi
ALL INDIA RADIO
Delhi
10kW::SEA
10kW::ME
10kW:DS-ENGLISH, ETC
INDONESIA
R REP INDONESIA
Merauke
1kW:DS
PAPUA NEW GUINEA
RADIO NEW IRELAND
Kavieng
4kW:DS
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH
GERMAN/DEUTSCH
FRENCH/FRANÇAIS
PORTUGUESE/PORTUGUÊS
SPANISH/ESPAÑOL
ARABIC/عربي
RUSSIAN/РУССКИЙ
CHINESE/中文
JAPANESE/日本語
MULTILINGUAL
OTHER
SUMMER ONLY (J)
WINTER ONLY (D)
JAMMING or /
FADE-IN
FADE-OUT
+ TENTATIVE

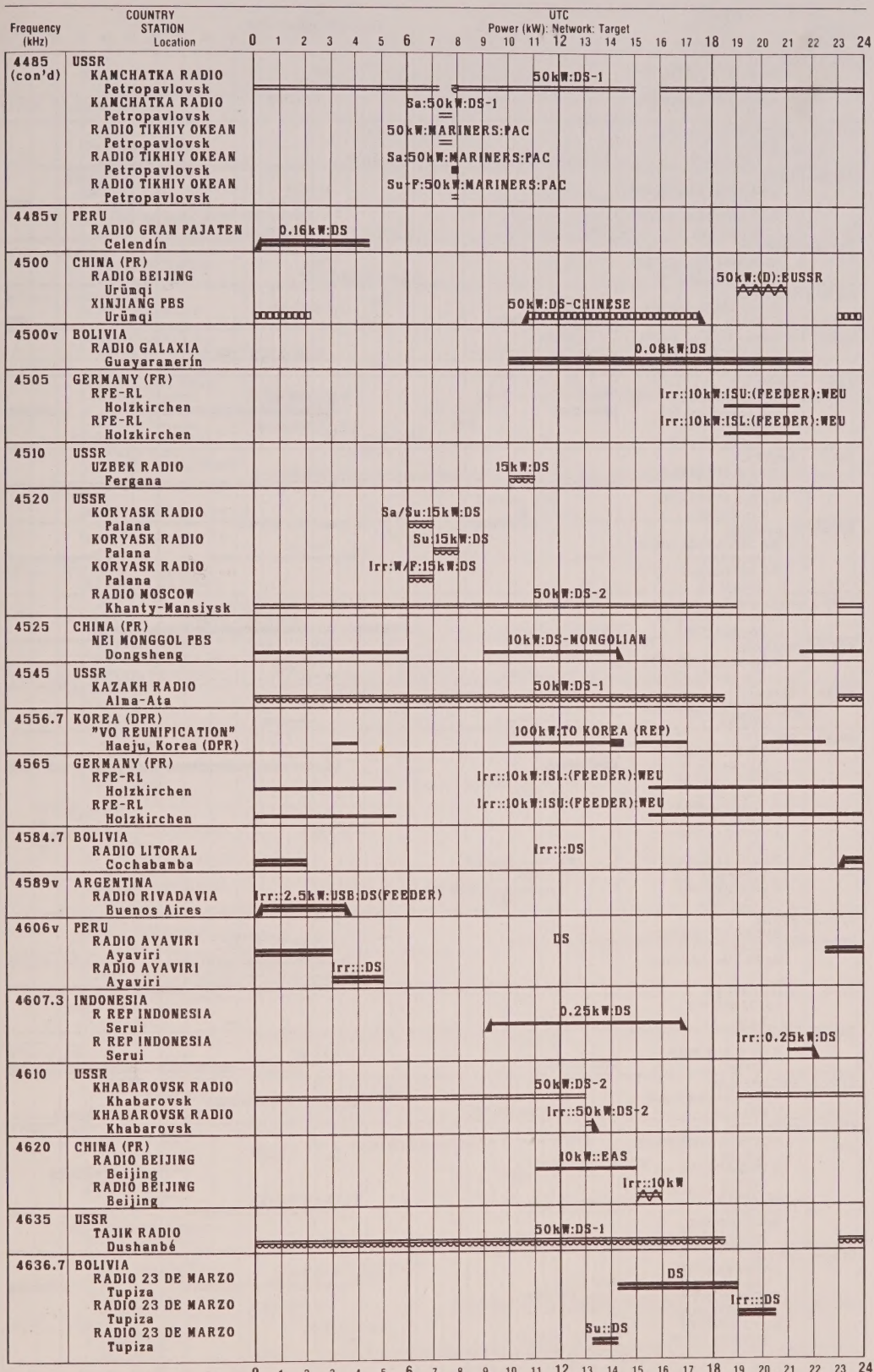

Frequency (kHz)
COUNTRY
STATION
Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
3910
JAPAN
AFRTS-US MILITARY
Tōkyō
10kW:FAR EAST NETWORK:EAS
3915
SINGAPORE
BBC
Kranji
100kW::SEA
BBC
Kranji
100kW::AS
BBC
Kranji
100kW::EUSSR
BBC
Kranji
100kW:WS:EAS/SEA
3916v
INDONESIA
R REP INDONESIA
Ternate
Alt 3946vkHz:10kW:DS
3918v
PERU
RADIO EL PORVENIR
El Porvenir
Alternative Frequency to 3955vkHz
3925
INDIA
ALL INDIA RADIO
Delhi
10kW:DS-ENGLISH, ETC
ALL INDIA RADIO
Delhi
Irr::10kW:DS-ENGLISH, ETC
JAPAN
NIHON SHORTWAVE BC
Sapporo-Ebetsu
10kW:DS-1:EAS
NIHON SHORTWAVE BC
Tōkyō-Nagara
50kW:DS-1:EAS
NIHON SHORTWAVE BC
Tōkyō-Nagara
M-F:50kW:DS-1:EAS
NIHON SHORTWAVE BC
Tōkyō-Nagara
M-Sa:50kW:DS-1:EAS
RADIO CANADA INTL
Tōkyō/Sapporo
50/10kW::EAS
PAPUA NEW GUINEA
NATIONAL BC OF PNG
Port Moresby
10kW:DS
3929.8
SOUTH AFRICA
CAPITAL RADIO
Umtata
50kW:DS
3930
KOREA (REPUBLIC)
KOREAN BC SYSTEM
Suwŏn
5kW:DS-1
3931v
CAPE VERDE
VOZ DE SAO VICENTE
Mindelo-São Vicent
10kW:DS
3934.5
INDONESIA
R REP INDONESIA
Semarang
Alt 3935.3kHz:10kW:DS
3935.3
INDONESIA
R REP INDONESIA
Semarang
Alternative Frequency to 3934.5kHz
3940
CHINA (PR)
HUBEI PEOPLES BS
Wuhan
DS
3941
CLANDESTINE (M EAST)
"VO THE PEDAII"
ANTI-KHOMEYNI:ME
3945
INDONESIA
R REP INDONESIA
Denpasar
10kW:DS
JAPAN
NIHON SHORTWAVE BC
Tōkyō-Nagara
10kW:DS-2
VANUATU
RADIO VANUATU
Vila, Efate Island
10kW:DS
RADIO VANUATU
Vila, Efate Island
M-Sa:10kW:DS
3946v
INDONESIA
R REP INDONESIA
Ternate
Alternative Frequency to 3916vkHz
3950
CHINA (PR)
QINGHAI PEOPLES BS
Xining
10kW:DS-CHINESE
3955
GREAT BRITAIN
BBC
Daventry
100kW::EU
BBC
Daventry
Sa/Su:100kW::EU
BBC
Daventry
100kW:WS:EU
BBC
Daventry
M-F:100kW:WS:EU
3955v
PERU
RADIO EL PORVENIR
El Porvenir
Alt 3918vkHz:0.05kW:DS
3958 (con'd)
FALKLAND ISLANDS
FALKLAND IS BC STN
1/3.5kW:DS
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH
GERMAN/DEUTSCH
FRENCH/FRANÇAIS
PORTUGUESE/PORTUGUÊS
SPANISH/ESPAÑOL
ARABIC/عربي
RUSSIAN/РУССКИЙ
CHINESE/中文
JAPANESE/日本語
MULTILINGUAL
OTHER
SUMMER ONLY (J)
WINTER ONLY (D)
JAMMING
or /
FADE-IN
FADE-OUT
+ TENTATIVE

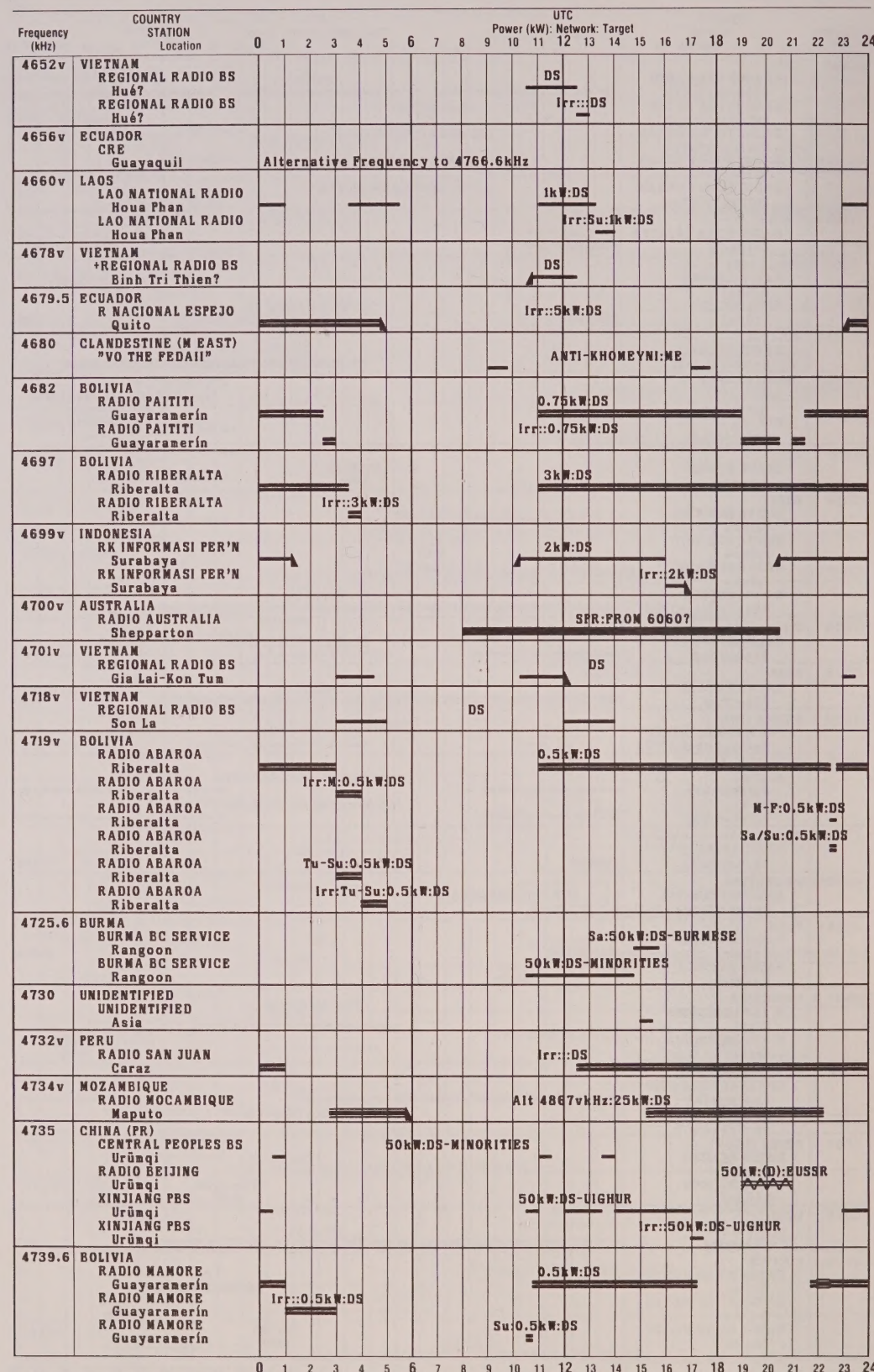

Frequency (kHz)
COUNTRY
STATION
Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
3958 (con'd)
FALKLAND ISLANDS
FALKLAND IS BC STN
Stanley
M-Sa:1/3.5kW:DS
FALKLAND IS BC STN
Stanley
Tu-Su:1/3.5kW:DS
3960
CHINA (PR)
RADIO BEIJING
Beijing
10kW::EAS
GERMANY (FR)
RFE-RL
Lampertheim
20kW::EU
INDONESIA
+R REP INDONESIA
Bogor
1kW:DS
R REP INDONESIA
Palu
10kW:DS
MONGOLIA
RADIO ULAN BATOR
Dalandzadgad
12kW:DS-1
3960v
CHINA (PR)
XINJIANG PBS
Urümqi
Alternative Frequency to 7385vkHz
3965
FRANCE
FRANCE-INTER
Issoudun-Allouis
4kW:DS-1:EU
RADIO FRANCE INTL
Issoudun-Allouis
4kW::EU
USSR
RADIO AFGHANISTAN
DS-1/ES:SAS/ME
3970
CAMEROON
RADIO BUEA
Buea
8kW:DS
RADIO BUEA
Buea
M-Sa:8kW:DS
CHINA (PR)
NEI MONGGOL PBS
Hohhot
DS-CHINESE
GERMANY (FR)
RFE-RL
Biblis
100kW::EEU
JAPAN
NIPPON HOSO KYOKAI
Matsuyama
Irr::0.6kW:DS-1
NIPPON HOSO KYOKAI
Nagoya
Irr::0.3kW:DS-1
NIPPON HOSO KYOKAI
Sapporo-Ebetsu
Irr::0.6kW:DS-1
3976v
INDONESIA
R REP INDONESIA
Surabaya
10kW:DS
3978v
UNIDENTIFIED
Possibly Asia
UNIDENTIFIED
Possibly Asia
3980
GERMANY (FR)
VOICE OF AMERICA
Munich
8kW::EEU
3985
CHINA (PR)
RADIO BEIJING
SEA
CLANDESTINE (ASIA)
"ECHO OF HOPE"
Suwŏn
50kW:KOREANS IN JAPAN:EAS
GERMANY (FR)
RFE-RL
Biblis
100kW::WUSSR
SWITZERLAND
SWISS BC CORP
Beromünster
250kW:DS-DRS:EU
SWISS BC CORP
Beromünster
250kW:DS-RSI:EU
SWISS BC CORP
Beromünster
250kW:DS-RSR:EU
SWISS RADIO INTL
Beromünster
250kW::EU
3986.3
INDONESIA
R REP INDONESIA
Manokwari
0.5kW:DS
3990
CHINA (PR)
CENTRAL PEOPLES BS
Urümqi
50kW:DS-MINORITIES (D)
XINJIANG PBS
Urümqi
50kW:DS-UIGHUR (D)
CYPRUS
BBC
(con'd)
Zyyi
7.5kW::EU/ME
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH
GERMAN/DEUTSCH
FRENCH/FRANÇAIS
PORTUGUESE/PORTUGUÊS
SPANISH/ESPAÑOL
ARABIC/عربي
RUSSIAN/РУССКИЙ
CHINESE/中文
JAPANESE/日本語
MULTILINGUAL
OTHER
SUMMER ONLY (J)
WINTER ONLY (D)
JAMMING
or /
FADE-IN
FADE-OUT
+ TENTATIVE

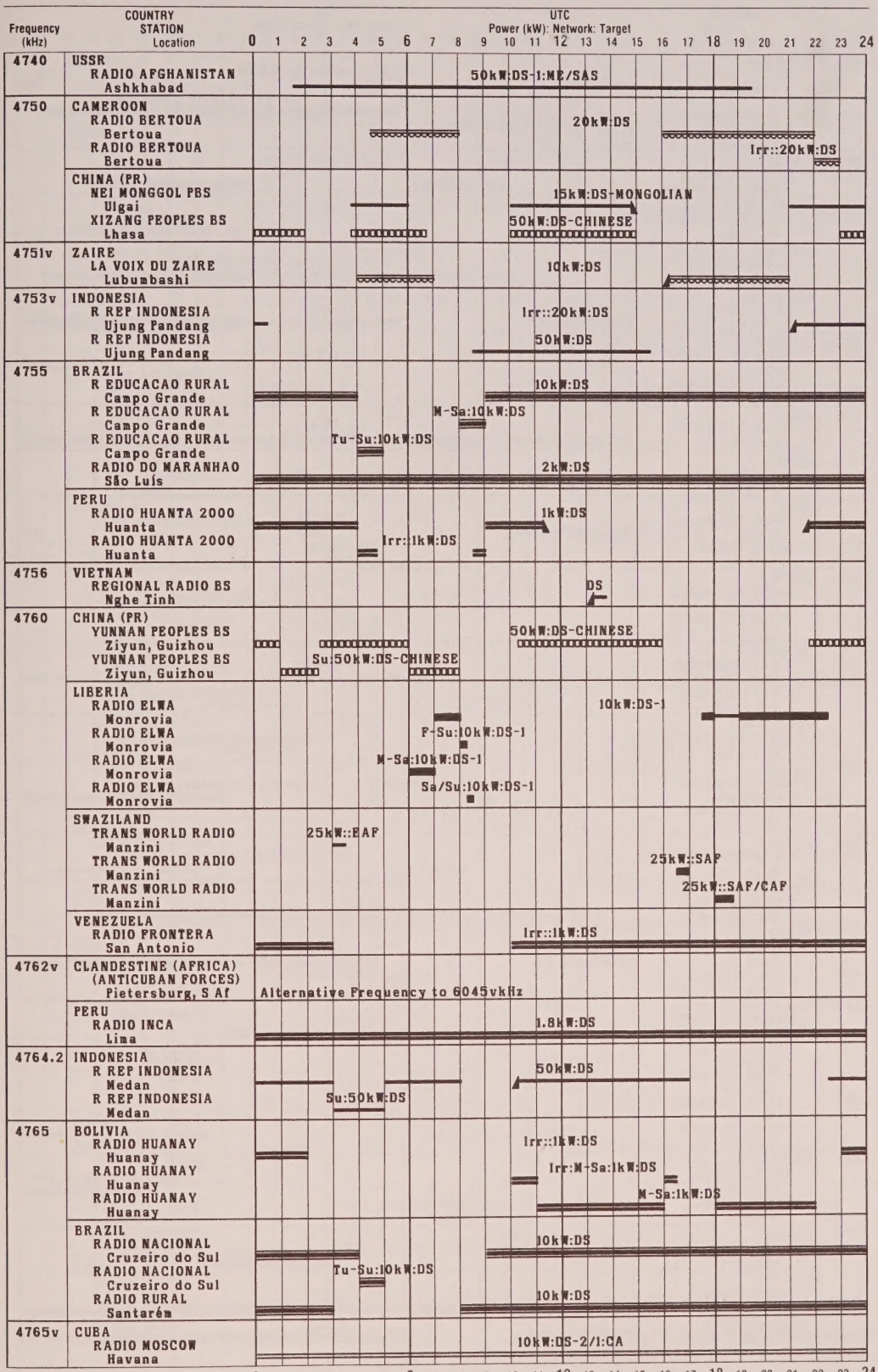

Frequency (kHz)
COUNTRY
STATION
Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
3990 (con'd)
CYPRUS
BBC Zyyi
BBC Zyyi
BBC Zyyi
7.5kW::EU
Su:7.5kW::EU/ME
7.5kW:WS:EU/ME
GERMANY (FR)
RFE-RL Biblis
100kW::EEU
LIBERIA
VOICE OF AMERICA Monrovia
50kW::WAF
3994v
ANGOLA
ER DA HUILA Lubango
1kW:DS
3995
GERMANY (PR)
DEUTSCHE WELLE Jülich
100kW::EU/AM
INDONESIA
R REP INDONESIA Pontianak
R REP INDONESIA Pontianak
R REP INDONESIA Pontianak
R REP INDONESIA Tanjungkarang
10kW:DS
M-Sa:10kW:DS
Su:10kW:DS
2.5kW:DS
ITALY
RTV ITALIANA Rome
50kW:DS-3:EU
USSR
RADIO TIKHIY OKEAN Yuzhno-Sakhalinsk
RADIO TIKHIY OKEAN Yuzhno-Sakhalinsk
RADIO TIKHIY OKEAN Yuzhno-Sakhalinsk
SAKHALIN RADIO Yuzhno-Sakhalinsk
TUVIN RADIO Kyzyl
50kW:MARINERS:PAC
Sa:50kW:MARINERS:PAC
Su-F:50kW:MARINERS:PAC
50kW:DS
15kW:DS
3999
GREENLAND
KALAALLIT NUNAATA Nuuk
KALAALLIT NUNAATA Nuuk
KALAALLIT NUNAATA Nuuk
Irr::1kW:DS
Irr:M-Sa:1kW:DS
Irr:Tu-Su:1kW:DS
3999v
VIETNAM
VOICE OF VIETNAM Hanoi
VOICE OF VIETNAM Hanoi
30kW:DS
Su:30kW:DS
4000
CAMEROON
RADIO BAFOUSSAM Bafoussam
20kW:DS
4000v
INDONESIA
R REP INDONESIA Kendari
5kW:DS
4002.6
INDONESIA
R REP INDONESIA Padang
10kW:DS
4005
PERU
RADIO GRAU Huancabamba
Irr:::DS
4010
CHINA (PR)
CENTRAL PEOPLES BS Abagnar Qi
NEI MONGGOL PBS Abagnar Qi
Irr:::DS-MINORITIES
Irr:::DS-MONGOLIAN
USSR
KIRGHIZ RADIO Frunze, Kirgiziya
50kW:DS-1
4020
CHINA (PR)
RADIO BEIJING Beijing
RADIO BEIJING Beijing
RADIO BEIJING Beijing
50kW:(D):EAS
50kW:(J):SAS
50kW:(J):AF
4025
PERU
LA VOZ DE RIOJA Rioja
DS
4030
USSR
ANADYR' RADIO Anadyr'
15kW:DS
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH
GERMAN/DEUTSCH
FRENCH/FRANÇAIS
PORTUGUESE/PORTUGUÊS
SPANISH/ESPAÑOL
ARABIC/عربي
RUSSIAN/РУССКИЙ
CHINESE/中文
JAPANESE/日本語
MULTILINGUAL
OTHER
SUMMER ONLY (J)
WINTER ONLY (D)
JAMMING
or /
FADE-IN
FADE-OUT
+ TENTATIVE

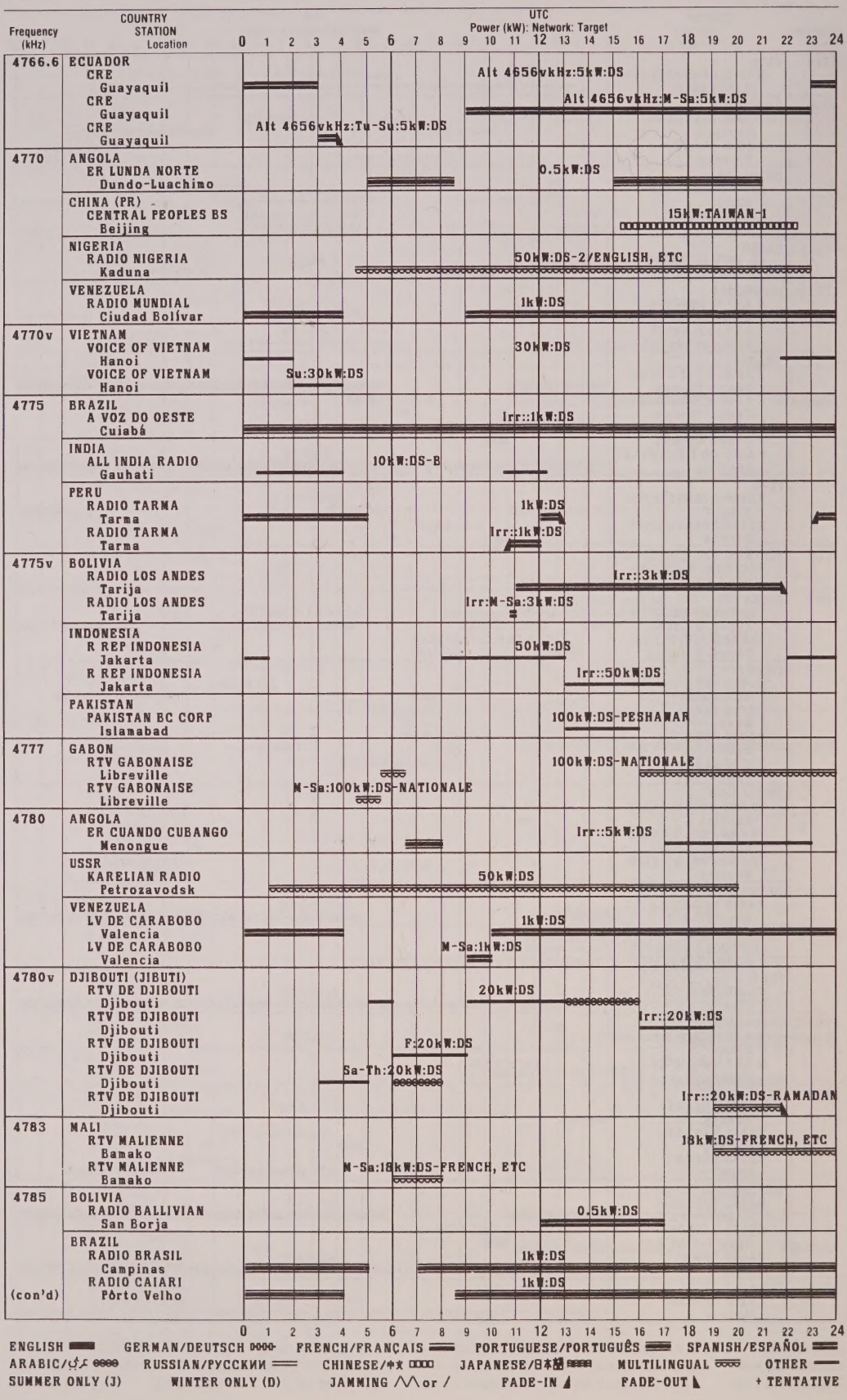

Frequency (kHz)
COUNTRY STATION Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
4035
CHINA (PR)
CENTRAL PEOPLES BS Lhasa
RADIO BEIJING Lhasa
XIZANG PEOPLES BS Lhasa
50kW:DS-MINORITIES
50kW::SAS
50kW:DS-TIBETAN
4040
USSR
ARMENIAN RADIO Yerevan
RADIO MOSCOW Vladivostok
15kW:DS-1
50kW:DS-2
4042
GREAT BRITAIN
APRTS-US MILITARY Barford-Banbury
Irr::4kW:LSB:DS-ABC/CBS/NBC/NPR(FEEDER):ATL
4045
CHINA (PR)
VO THE STRAIT-PLA Fuzhou
10kW:TAIWAN-1
4050
USSR
KIRGHIZ RADIO Frunze
RADIO TIKHIY OKEAN Yuzhno-Sakhalinsk
RADIO TIKHIY OKEAN Yuzhno-Sakhalinsk
RADIO TIKHIY OKEAN Yuzhno-Sakhalinsk
SAKHALIN RADIO Yuzhno-Sakhalinsk
50kW:DS-2
15kW:USB:MARINERS(FEEDER):PAC
Sa:15kW:USB:MARINERS(FEEDER):PAC
Su-F:15kW:USB:MARINERS(FEEDER):PAC
15kW:USB:DS(FEEDER)
4055
USSR
RADIO MOSCOW Kalinin
50kW:DS-3
4060
USSR
RADIO MOSCOW/RP&P Ryazan'
RADIO MOSCOW/RP&P Ryazan'
100kW:(D):EEU
100kW:WS (D):EEU
4080
MONGOLIA
RADIO MOSCOW/RP&P Ulan Bator
RADIO ULAN BATOR Ulan Bator
25/50kW::EAS
25/50kW:DS-1
4120v
CLANDESTINE (ASIA)
"VO REUNIFICATION" Haeju, Korea (DPR)
100kW:TO KOREA (REP)
4130
CHINA (PR)
RADIO BEIJING Beijing
RADIO BEIJING Beijing
RADIO BEIJING Beijing
RADIO BEIJING Beijing
RADIO BEIJING Beijing
RADIO BEIJING Beijing
VO THE STRAIT-PLA Fuzhou
50kW::USSR
50kW::SEA
50kW::SAS/EAF
50kW::EU
50kW:(D):USSR
50kW:(D):SEA
10kW:TAIWAN-2
CLANDESTINE (ASIA)
"VO DEM KAMPUCHEA" China (PR)
Irr:::PRD-POL POT REBELS:SEA
4155v
BRAZIL
RADIO DIFUSORA Sena Madureira
0.25kW:DS
4180v
PERU
RADIO BOLIVAR Uchumarca
0.16kW:LSB:DS/4140-4220V
4190
CHINA (PR)
CENTRAL PEOPLES BS
DS-MINORITIES
4200
CHINA (PR)
RADIO BEIJING Beijing
RADIO BEIJING Beijing
RADIO BEIJING Beijing
50kW::SAS
100kW
50kW:(D):RUSSR
4220
CHINA (PR)
CENTRAL PEOPLES BS Urümqi
XINJIANG PBS Urümqi
DS-MINORITIES
DS-MONGOLIAN
4240
PARAGUAY
LA VOZ DE MISIONES San Juan Bautista
SPR:3X14|3KHZ
4250
CHINA (PR)
CENTRAL PEOPLES BS
50kW:DS-2
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH
GERMAN/DEUTSCH
FRENCH/FRANÇAIS
PORTUGUESE/PORTUGUÊS
SPANISH/ESPAÑOL
ARABIC/عربي
RUSSIAN/РУССКИЙ
CHINESE/中文
JAPANESE/日本語
MULTILINGUAL
OTHER
SUMMER ONLY (J)
WINTER ONLY (D)
JAMMING
or /
FADE-IN
FADE-OUT
+ TENTATIVE

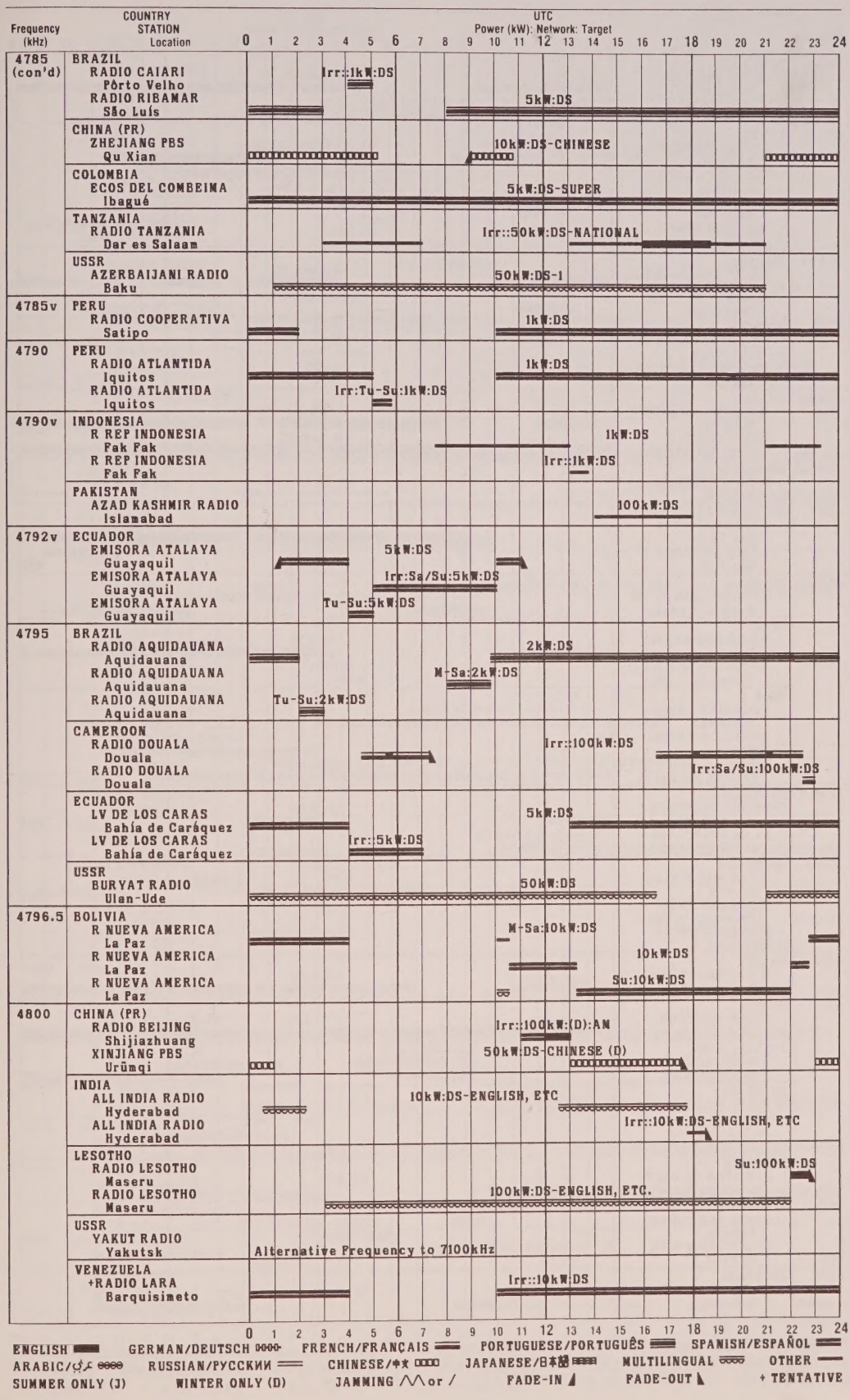

Frequency (kHz)
COUNTRY STATION Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
4250v
CLANDESTINE (M EAST) "VO THE CRUSADER" Near Iran
MOJAHEDIN-E KHALQ
4254.5
PERU
R SOL DE LOS ANDES Santa Cruz
DS
R SOL DE LOS ANDES Santa Cruz
Irr:::DS
4271
ECUADOR
RADIO GONZANAMA Gonzanamá
DS
4273.2
KOREA (DPR)
CHAGONG PROVINCIAL Kanggye
DS
4300
PERU
RADIO MODERNA Celendín
0.25kW:DS
4301v
BOLIVIA
RADIO URKUPINA Machiri
Irr:::DS
4330
CHINA (PR)
VO THE STRAIT-PLA Fuzhou
10kW:TAIWAN-1
4340
INDONESIA
RP DAERAH TINGKAT Kutai
DS-2
4357v
INDONESIA
RP DAERAH K KARO Kabanjahe
0.2kW:DS
4380
CHINA (PR)
VO THE STRAIT-PLA Fuzhou
10kW:TAIWAN-2
4395
USSR
YAKUT RADIO Yakutsk
100kW:DS
4420.3
BOLIVIA
RADIOEMISORA REYES Reyes
Alt 4430.7kHz:0.35kW:DS
RADIOEMISORA REYES Reyes
Alt 4430.7kHz:Irr::0.35kW:DS
RADIOEMISORA REYES Reyes
Alt 4430.7kHz:Su:0.35kW:DS
4430.7
BOLIVIA
RADIOEMISORA REYES Reyes
Alternative Frequency to 4420.3kHz
4441v
BOLIVIA
RADIO SANTA ROSA Santa Rosa
DS
4450
USSR
RADIO AFGHANISTAN Dushanbé
15kW:SAS
RADIO AFGHANISTAN Dushanbé
15kW:DS-1:SAS
4458
BOLIVIA
LA VOZ DEL TROPICO Villa Tunari
0.25kW:DS
LA VOZ DEL TROPICO Villa Tunari
Irr::0.25kW:DS
4460
CHINA (PR)
CENTRAL PEOPLES BS Beijing
10/15kW:DS-1
4460v
PERU
RADIO NORANDINA Celendín
DS
4465
GERMANY (FR)
RFE-RL Holzkirchen
Irr::10kW:ISU:(FEEDER)
RFE-RL Holzkirchen
Irr::10kW:ISL:(FEEDER):WEU
4465v
LAOS
LAO NATIONAL RADIO Odoumxay
0.4kW:DS
4469v
CLANDESTINE (M EAST) "COMMUNIST IRAN" Afghanistan (tent)
Alternative Frequency to 3864vkHz
4472
BOLIVIA
RADIO MOVIMA Santa Ana
0.25kW:DS
RADIO MOVIMA Santa Ana
Irr::0.25kW:DS
4475
GERMANY (FR)
RFE-RL Holzkirchen
Irr::10kW:ISU:(FEEDER):WEU
RFE-RL Holzkirchen
Irr::10kW:ISL:(FEEDER):WEU
4485 (con'd)
USSR
BASHKIR RADIO Ufa
50kW:DS
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH
GERMAN/DEUTSCH
FRENCH/FRANÇAIS
PORTUGUESE/PORTUGUÊS
SPANISH/ESPAÑOL
ARABIC/عربي
RUSSIAN/РУССКИЙ
CHINESE/中文
JAPANESE/日本語
MULTILINGUAL
OTHER
SUMMER ONLY (J)
WINTER ONLY (D)
JAMMING /\/\ or /
FADE-IN
FADE-OUT
+ TENTATIVE

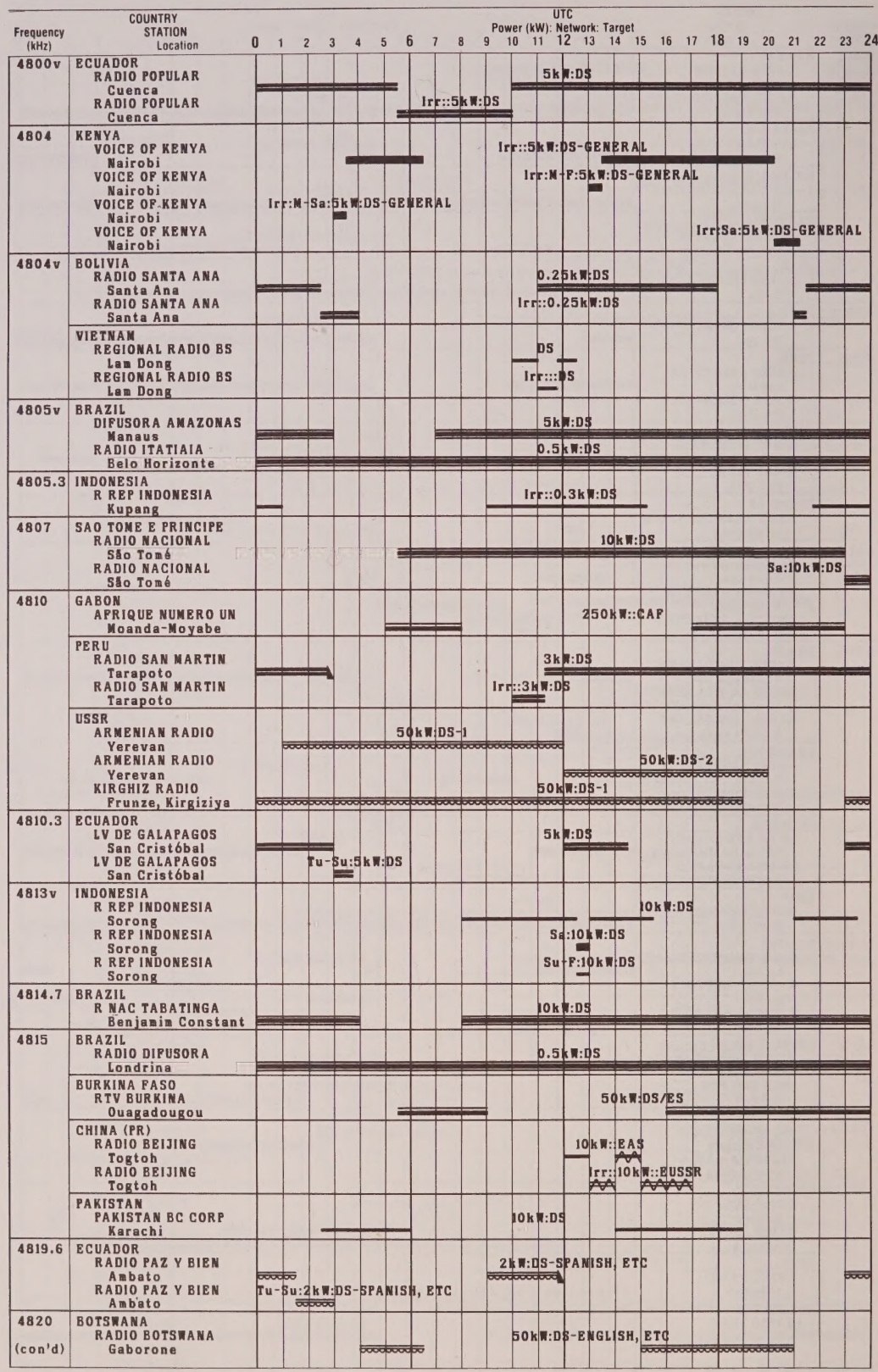

Frequency (kHz)
COUNTRY STATION Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
4485 (con'd) USSR KAMCHATKA RADIO Petropavlovsk
50kW:DS-1
KAMCHATKA RADIO Petropavlovsk
Sa:50kW:DS-1
RADIO TIKHIY OKEAN Petropavlovsk
50kW:MARINERS:PAC
RADIO TIKHIY OKEAN Petropavlovsk
Sa:50kW:MARINERS:PAC
RADIO TIKHIY OKEAN Petropavlovsk
Su+F:50kW:MARINERS:PAC
4485v PERU RADIO GRAN PAJATEN Celendín
0.16kW:DS
4500 CHINA (PR) RADIO BEIJING Urümqi
50kW:(D):EUSSR
XINJIANG PBS Urümqi
50kW:DS-CHINESE
4500v BOLIVIA RADIO GALAXIA Guayaramerín
0.08kW:DS
4505 GERMANY (FR) RFE-RL Holzkirchen
Irr::10kW:ISU:(FEEDER):WEU
RFE-RL Holzkirchen
Irr::10kW:ISL:(FEEDER):WEU
4510 USSR UZBEK RADIO Fergana
15kW:DS
4520 USSR KORYASK RADIO Palana
Sa/Su:15kW:DS
KORYASK RADIO Palana
Su:15kW:DS
KORYASK RADIO Palana
Irr:W/F:15kW:DS
RADIO MOSCOW Khanty-Mansiysk
50kW:DS-2
4525 CHINA (PR) NEI MONGGOL PBS Dongsheng
10kW:DS-MONGOLIAN
4545 USSR KAZAKH RADIO Alma-Ata
50kW:DS-1
4556.7 KOREA (DPR) "VO REUNIFICATION" Haeju, Korea (DPR)
100kW:TO KOREA (REP)
4565 GERMANY (FR) RFE-RL Holzkirchen
Irr::10kW:ISL:(FEEDER):WEU
RFE-RL Holzkirchen
Irr::10kW:ISU:(FEEDER):WEU
4584.7 BOLIVIA RADIO LITORAL Cochabamba
Irr::DS
4589v ARGENTINA RADIO RIVADAVIA Buenos Aires
Irr::2.5kW:USB:DS(FEEDER)
4606v PERU RADIO AYAVIRI Ayaviri
DS
RADIO AYAVIRI Ayaviri
Irr:::DS
4607.3 INDONESIA R REP INDONESIA Serui
0.25kW:DS
R REP INDONESIA Serui
Irr::0.25kW:DS
4610 USSR KHABAROVSK RADIO Khabarovsk
50kW:DS-2
KHABAROVSK RADIO Khabarovsk
Irr::50kW:DS+2
4620 CHINA (PR) RADIO BEIJING Beijing
10kW::EAS
RADIO BEIJING Beijing
Irr::10kW
4635 USSR TAJIK RADIO Dushanbé
50kW:DS-1
4636.7 BOLIVIA RADIO 23 DE MARZO Tupiza
DS
RADIO 23 DE MARZO Tupiza
Irr:::DS
RADIO 23 DE MARZO Tupiza
Su::DS
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH GERMAN/DEUTSCH FRENCH/FRANÇAIS PORTUGUESE/PORTUGUÊS SPANISH/ESPAÑOL
ARABIC/عربي RUSSIAN/РУССКИЙ CHINESE/中文 JAPANESE/日本 MULTILINGUAL OTHER
SUMMER ONLY (J) WINTER ONLY (D) JAMMING or / FADE-IN FADE-OUT + TENTATIVE

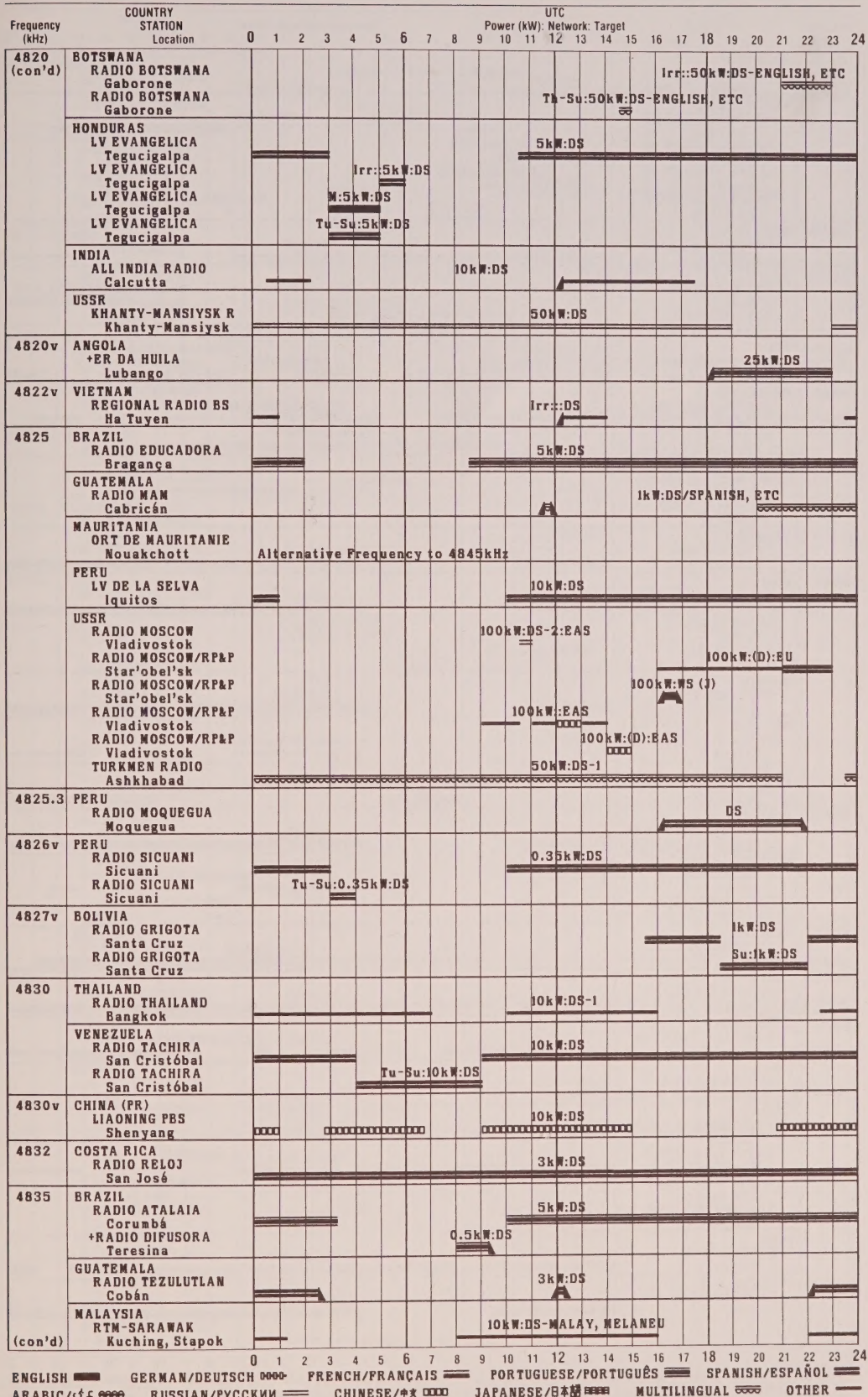

Frequency (kHz)
COUNTRY STATION Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
4652v
VIETNAM
REGIONAL RADIO BS Huế?
REGIONAL RADIO BS Huế?
DS
Irr:::DS
4656v
ECUADOR
CRE Guayaquil
Alternative Frequency to 4766.6kHz
4660v
LAOS
LAO NATIONAL RADIO Houa Phan
LAO NATIONAL RADIO Houa Phan
1kW:DS
Irr:Su:1kW:DS
4678v
VIETNAM
+REGIONAL RADIO BS Binh Tri Thien?
DS
4679.5
ECUADOR
R NACIONAL ESPEJO Quito
Irr::5kW:DS
4680
CLANDESTINE (M EAST)
"VO THE FEDAII"
ANTI-KHOMEYNI:ME
4682
BOLIVIA
RADIO PAITITI Guayaramerín
RADIO PAITITI Guayaramerín
0.75kW:DS
Irr::0.75kW:DS
4697
BOLIVIA
RADIO RIBERALTA Riberalta
RADIO RIBERALTA Riberalta
3kW:DS
Irr::3kW:DS
4699v
INDONESIA
RK INFORMASI PER'N Surabaya
RK INFORMASI PER'N Surabaya
2kW:DS
Irr::2kW:DS
4700v
AUSTRALIA
RADIO AUSTRALIA Shepparton
SER:FROM 6060?
4701v
VIETNAM
REGIONAL RADIO BS Gia Lai-Kon Tum
DS
4718v
VIETNAM
REGIONAL RADIO BS Son La
DS
4719v
BOLIVIA
RADIO ABAROA Riberalta
RADIO ABAROA Riberalta
RADIO ABAROA Riberalta
RADIO ABAROA Riberalta
RADIO ABAROA Riberalta
RADIO ABAROA Riberalta
0.5kW:DS
Irr:M:0.5kW:DS
M-F:0.5kW:DS
Sa/Su:0.5kW:DS
Tu-Su:0.5kW:DS
Irr:Tu-Su:0.5kW:DS
4725.6
BURMA
BURMA BC SERVICE Rangoon
BURMA BC SERVICE Rangoon
Sa:50kW:DS-BURMESE
50kW:DS-MINORITIES
4730
UNIDENTIFIED
UNIDENTIFIED Asia
4732v
PERU
RADIO SAN JUAN Caraz
Irr:::DS
4734v
MOZAMBIQUE
RADIO MOCAMBIQUE Maputo
Alt 4867vkHz:25kW:DS
4735
CHINA (PR)
CENTRAL PEOPLES BS Urümqi
RADIO BEIJING Urümqi
XINJIANG PBS Urümqi
XINJIANG PBS Urümqi
50kW:DS-MINORITIES
50kW:(D):EUSSR
50kW:DS-UIGHUR
Irr::50kW:DS-UIGHUR
4739.6
BOLIVIA
RADIO MAMORE Guayaramerín
RADIO MAMORE Guayaramerín
RADIO MAMORE Guayaramerín
0.5kW:DS
Irr::0.5kW:DS
Su:0.5kW:DS
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH
GERMAN/DEUTSCH
FRENCH/FRANÇAIS
PORTUGUESE/PORTUGUÊS
SPANISH/ESPAÑOL
ARABIC/عربي
RUSSIAN/РУССКИЙ
CHINESE/中文
JAPANESE/日本語
MULTILINGUAL
OTHER
SUMMER ONLY (J)
WINTER ONLY (D)
JAMMING ⋀⋀ or /
FADE-IN
FADE-OUT
+ TENTATIVE

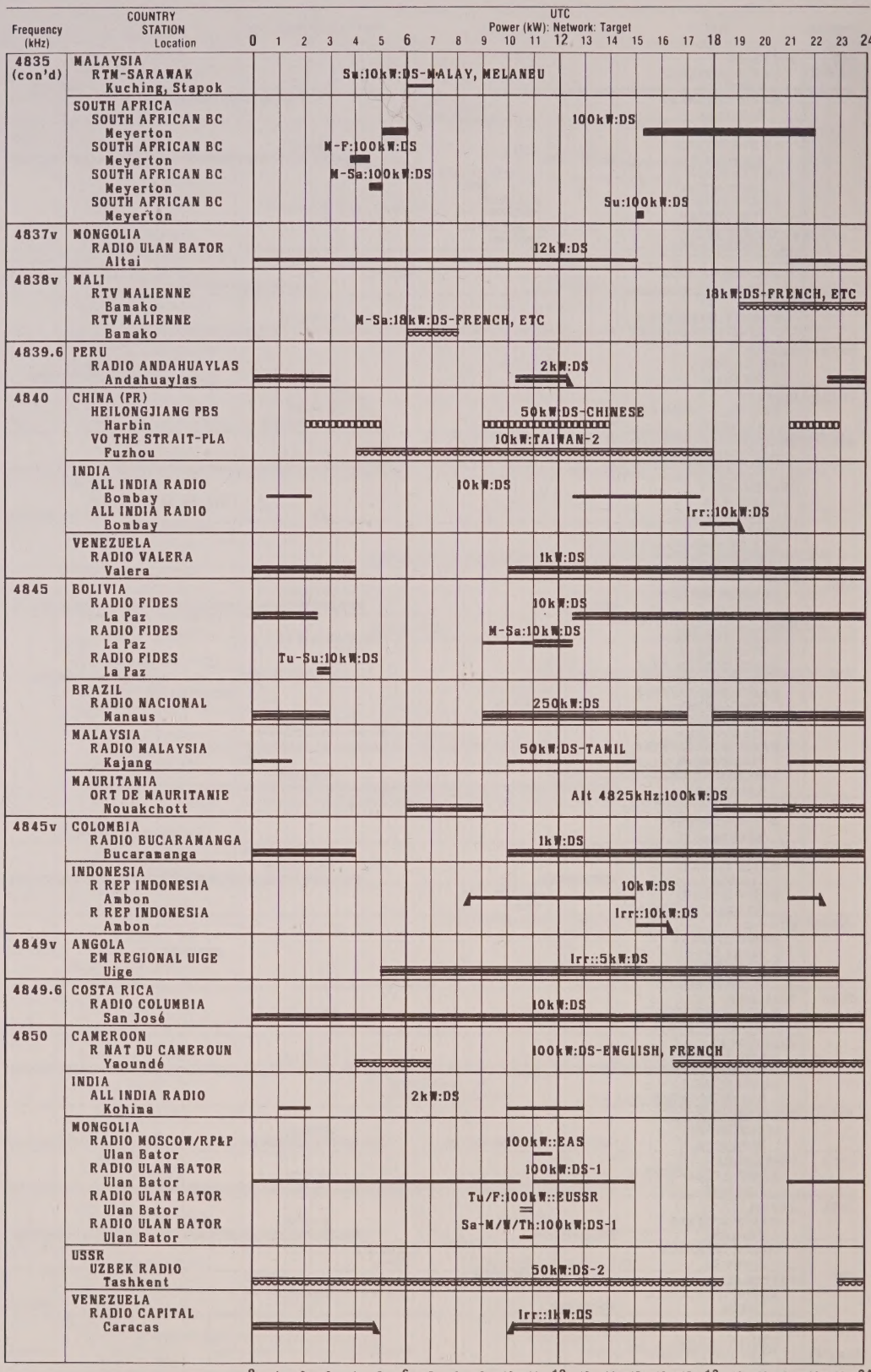

Frequency (kHz)
COUNTRY
STATION
Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
4740
USSR
RADIO AFGHANISTAN
Ashkhabad
50kW:DS-1:ME/SAS
4750
CAMEROON
RADIO BERTOUA
Bertoua
20kW:DS
RADIO BERTOUA
Bertoua
Irr::20kW:DS
CHINA (PR)
NEI MONGGOL PBS
Ulgai
15kW:DS-MONGOLIAN
XIZANG PEOPLES BS
Lhasa
50kW:DS-CHINESE
4751v
ZAIRE
LA VOIX DU ZAIRE
Lubumbashi
10kW:DS
4753v
INDONESIA
R REP INDONESIA
Ujung Pandang
Irr::20kW:DS
R REP INDONESIA
Ujung Pandang
50kW:DS
4755
BRAZIL
R EDUCACAO RURAL
Campo Grande
10kW:DS
R EDUCACAO RURAL
Campo Grande
M-Sa:10kW:DS
R EDUCACAO RURAL
Campo Grande
Tu-Su:10kW:DS
RADIO DO MARANHAO
São Luís
2kW:DS
PERU
RADIO HUANTA 2000
Huanta
1kW:DS
RADIO HUANTA 2000
Huanta
Irr::1kW:DS
4756
VIETNAM
REGIONAL RADIO BS
Nghe Tinh
DS
4760
CHINA (PR)
YUNNAN PEOPLES BS
Ziyun, Guizhou
50kW:DS-CHINESE
YUNNAN PEOPLES BS
Ziyun, Guizhou
Su:50kW:DS-CHINESE
LIBERIA
RADIO ELWA
Monrovia
10kW:DS-1
RADIO ELWA
Monrovia
F-Su:10kW:DS-1
RADIO ELWA
Monrovia
M-Sa:10kW:DS-1
RADIO ELWA
Monrovia
Sa/Su:10kW:DS-1
SWAZILAND
TRANS WORLD RADIO
Manzini
25kW::EAF
TRANS WORLD RADIO
Manzini
25kW::SAF
TRANS WORLD RADIO
Manzini
25kW::SAF/CAF
VENEZUELA
RADIO FRONTERA
San Antonio
Irr::1kW:DS
4762v
CLANDESTINE (AFRICA)
(ANTICUBAN FORCES)
Pietersburg, S Af
Alternative Frequency to 6045vkHz
PERU
RADIO INCA
Lima
1.8kW:DS
4764.2
INDONESIA
R REP INDONESIA
Medan
50kW:DS
R REP INDONESIA
Medan
Su:50kW:DS
4765
BOLIVIA
RADIO HUANAY
Huanay
Irr::1kW:DS
RADIO HUANAY
Huanay
Irr:M-Sa:1kW:DS
RADIO HUANAY
Huanay
M-Sa:1kW:DS
BRAZIL
RADIO NACIONAL
Cruzeiro do Sul
10kW:DS
RADIO NACIONAL
Cruzeiro do Sul
Tu-Su:10kW:DS
RADIO RURAL
Santarém
10kW:DS
4765v
CUBA
RADIO MOSCOW
Havana
10kW:DS-2/1:CA
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH
GERMAN/DEUTSCH
FRENCH/FRANÇAIS
PORTUGUESE/PORTUGUÊS
SPANISH/ESPAÑOL
ARABIC/عربي
RUSSIAN/РУССКИЙ
CHINESE/中文
JAPANESE/日本語
MULTILINGUAL
OTHER
SUMMER ONLY (J)
WINTER ONLY (D)
JAMMING
FADE-IN
FADE-OUT
+ TENTATIVE

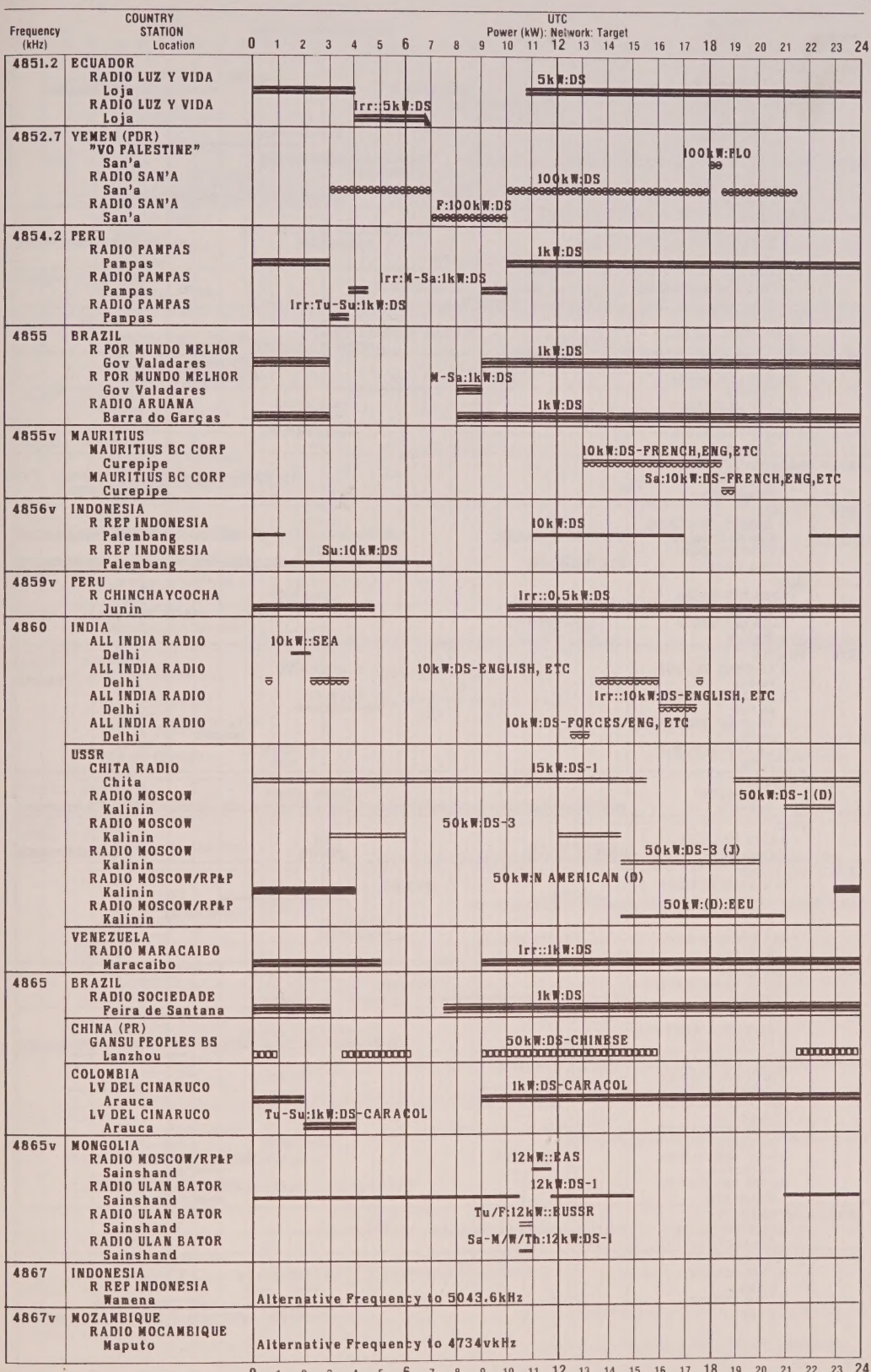

Frequency (kHz)
COUNTRY STATION Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
4766.6
ECUADOR
CRE Guayaquil
CRE Guayaquil
CRE Guayaquil
Alt 4656vkHz:5kW:DS
Alt 4656vkHz:M-Sa:5kW:DS
Alt 4656vkHz:Tu-Su:5kW:DS
4770
ANGOLA
ER LUNDA NORTE Dundo-Luachimo
0.5kW:DS
CHINA (PR)
CENTRAL PEOPLES BS Beijing
15kW:TAIWAN-1
NIGERIA
RADIO NIGERIA Kaduna
50kW:DS-2/ENGLISH, ETC
VENEZUELA
RADIO MUNDIAL Ciudad Bolívar
1kW:DS
4770v
VIETNAM
VOICE OF VIETNAM Hanoi
VOICE OF VIETNAM Hanoi
30kW:DS
Su:30kW:DS
4775
BRAZIL
A VOZ DO OESTE Cuiabá
Irr::1kW:DS
INDIA
ALL INDIA RADIO Gauhati
10kW:DS-B
PERU
RADIO TARMA Tarma
RADIO TARMA Tarma
1kW:DS
Irr::1kW:DS
4775v
BOLIVIA
RADIO LOS ANDES Tarija
RADIO LOS ANDES Tarija
Irr::3kW:DS
Irr:M-Sa:3kW:DS
INDONESIA
R REP INDONESIA Jakarta
R REP INDONESIA Jakarta
50kW:DS
Irr::50kW:DS
PAKISTAN
PAKISTAN BC CORP Islamabad
100kW:DS-PESHAWAR
4777
GABON
RTV GABONAISE Libreville
RTV GABONAISE Libreville
100kW:DS-NATIONALE
M-Sa:100kW:DS-NATIONALE
4780
ANGOLA
ER CUANDO CUBANGO Menongue
Irr::5kW:DS
USSR
KARELIAN RADIO Petrozavodsk
50kW:DS
VENEZUELA
LV DE CARABOBO Valencia
LV DE CARABOBO Valencia
1kW:DS
M-Sa:1kW:DS
4780v
DJIBOUTI (JIBUTI)
RTV DE DJIBOUTI Djibouti
RTV DE DJIBOUTI Djibouti
RTV DE DJIBOUTI Djibouti
RTV DE DJIBOUTI Djibouti
RTV DE DJIBOUTI Djibouti
20kW:DS
Irr::20kW:DS
F:20kW:DS
Sa-Th:20kW:DS
Irr::20kW:DS-RAMADAN
4783
MALI
RTV MALIENNE Bamako
RTV MALIENNE Bamako
18kW:DS-FRENCH, ETC
M-Sa:18kW:DS-FRENCH, ETC
4785
BOLIVIA
RADIO BALLIVIAN San Borja
0.5kW:DS
BRAZIL
RADIO BRASIL Campinas
RADIO CAIARI Pôrto Velho
(con'd)
1kW:DS
1kW:DS
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH
GERMAN/DEUTSCH
FRENCH/FRANÇAIS
PORTUGUESE/PORTUGUÊS
SPANISH/ESPAÑOL
ARABIC/عربي
RUSSIAN/РУССКИЙ
CHINESE/中文
JAPANESE/日本語
MULTILINGUAL
OTHER
SUMMER ONLY (J)
WINTER ONLY (D)
JAMMING
FADE-IN
FADE-OUT
+ TENTATIVE

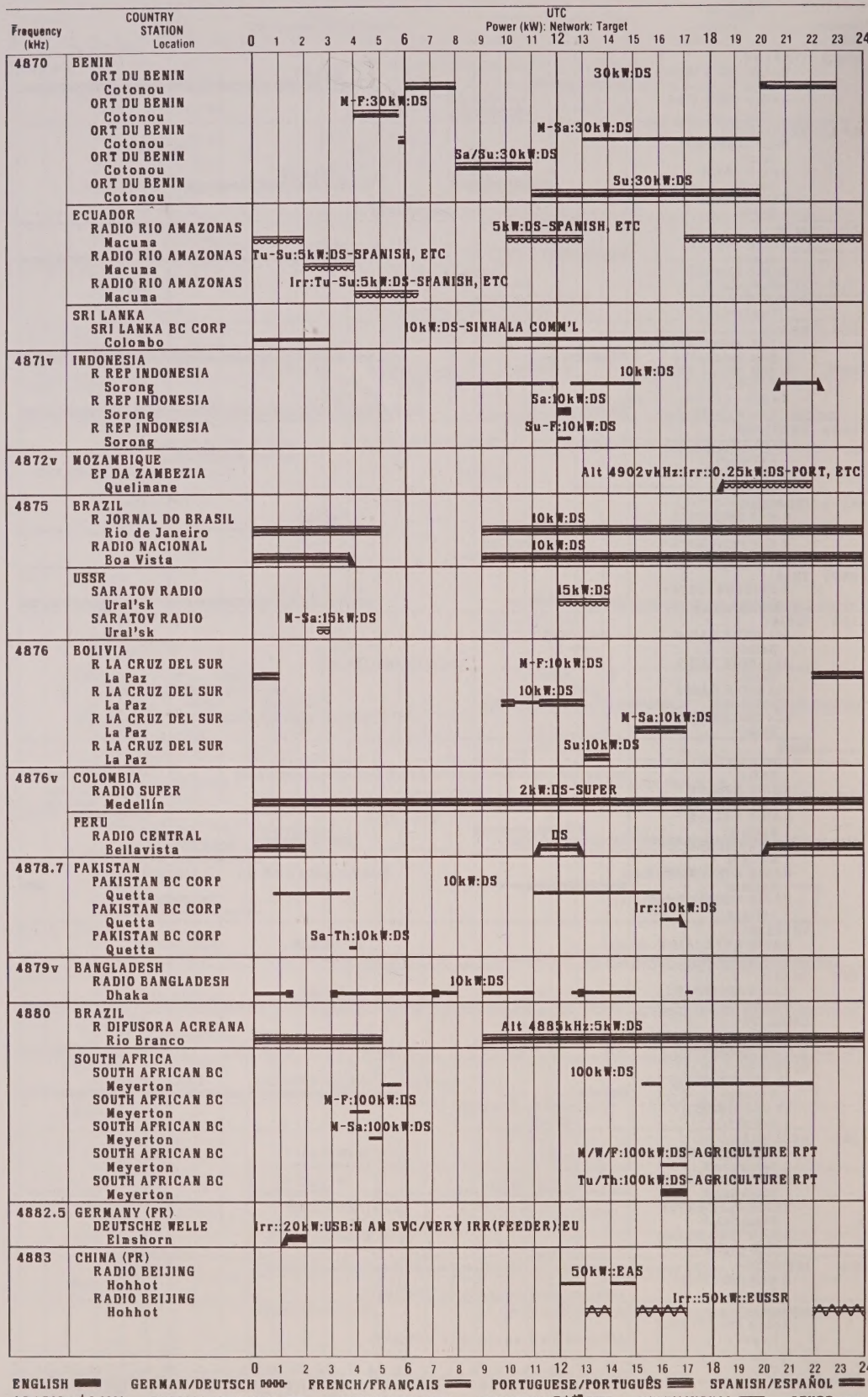

Frequency (kHz)
COUNTRY
STATION
Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
4785 (con'd)
BRAZIL
RADIO CAIARI
Pôrto Velho
RADIO RIBAMAR
São Luís
Irr::1kW:DS
5kW:DS
CHINA (PR)
ZHEJIANG PBS
Qu Xian
10kW:DS-CHINESE
COLOMBIA
ECOS DEL COMBEIMA
Ibagué
5kW:DS-SUPER
TANZANIA
RADIO TANZANIA
Dar es Salaam
Irr::50kW:DS-NATIONAL
USSR
AZERBAIJANI RADIO
Baku
50kW:DS-1
4785v
PERU
RADIO COOPERATIVA
Satipo
1kW:DS
4790
PERU
RADIO ATLANTIDA
Iquitos
RADIO ATLANTIDA
Iquitos
1kW:DS
Irr:Tu-Su:1kW:DS
4790v
INDONESIA
R REP INDONESIA
Fak Fak
R REP INDONESIA
Fak Fak
1kW:DS
Irr::1kW:DS
PAKISTAN
AZAD KASHMIR RADIO
Islamabad
100kW:DS
4792v
ECUADOR
EMISORA ATALAYA
Guayaquil
EMISORA ATALAYA
Guayaquil
EMISORA ATALAYA
Guayaquil
5kW:DS
Irr:Sa/Su:5kW:DS
Tu-Su:5kW:DS
4795
BRAZIL
RADIO AQUIDAUANA
Aquidauana
RADIO AQUIDAUANA
Aquidauana
RADIO AQUIDAUANA
Aquidauana
2kW:DS
M-Sa:2kW:DS
Tu-Su:2kW:DS
CAMEROON
RADIO DOUALA
Douala
RADIO DOUALA
Douala
Irr::100kW:DS
Irr:Sa/Su:100kW:DS
ECUADOR
LV DE LOS CARAS
Bahía de Caráquez
LV DE LOS CARAS
Bahía de Caráquez
5kW:DS
Irr::5kW:DS
USSR
BURYAT RADIO
Ulan-Ude
50kW:DS
4796.5
BOLIVIA
R NUEVA AMERICA
La Paz
R NUEVA AMERICA
La Paz
R NUEVA AMERICA
La Paz
M-Sa:10kW:DS
10kW:DS
Su:10kW:DS
4800
CHINA (PR)
RADIO BEIJING
Shijiazhuang
XINJIANG PBS
Urümqi
Irr::100kW:(D):AN
50kW:DS-CHINESE (D)
INDIA
ALL INDIA RADIO
Hyderabad
ALL INDIA RADIO
Hyderabad
10kW:DS-ENGLISH, ETC
Irr::10kW:DS-ENGLISH, ETC
LESOTHO
RADIO LESOTHO
Maseru
RADIO LESOTHO
Maseru
Su:100kW:DS
100kW:DS-ENGLISH, ETC.
USSR
YAKUT RADIO
Yakutsk
Alternative Frequency to 7100kHz
VENEZUELA
+RADIO LARA
Barquisimeto
Irr::10kW:DS
ENGLISH
GERMAN/DEUTSCH
FRENCH/FRANÇAIS
PORTUGUESE/PORTUGUÊS
SPANISH/ESPAÑOL
ARABIC/عربي
RUSSIAN/РУССКИЙ
CHINESE/中文
JAPANESE/日本語
MULTILINGUAL
OTHER
SUMMER ONLY (J)
WINTER ONLY (D)
JAMMING
or /
FADE-IN
FADE-OUT
+ TENTATIVE

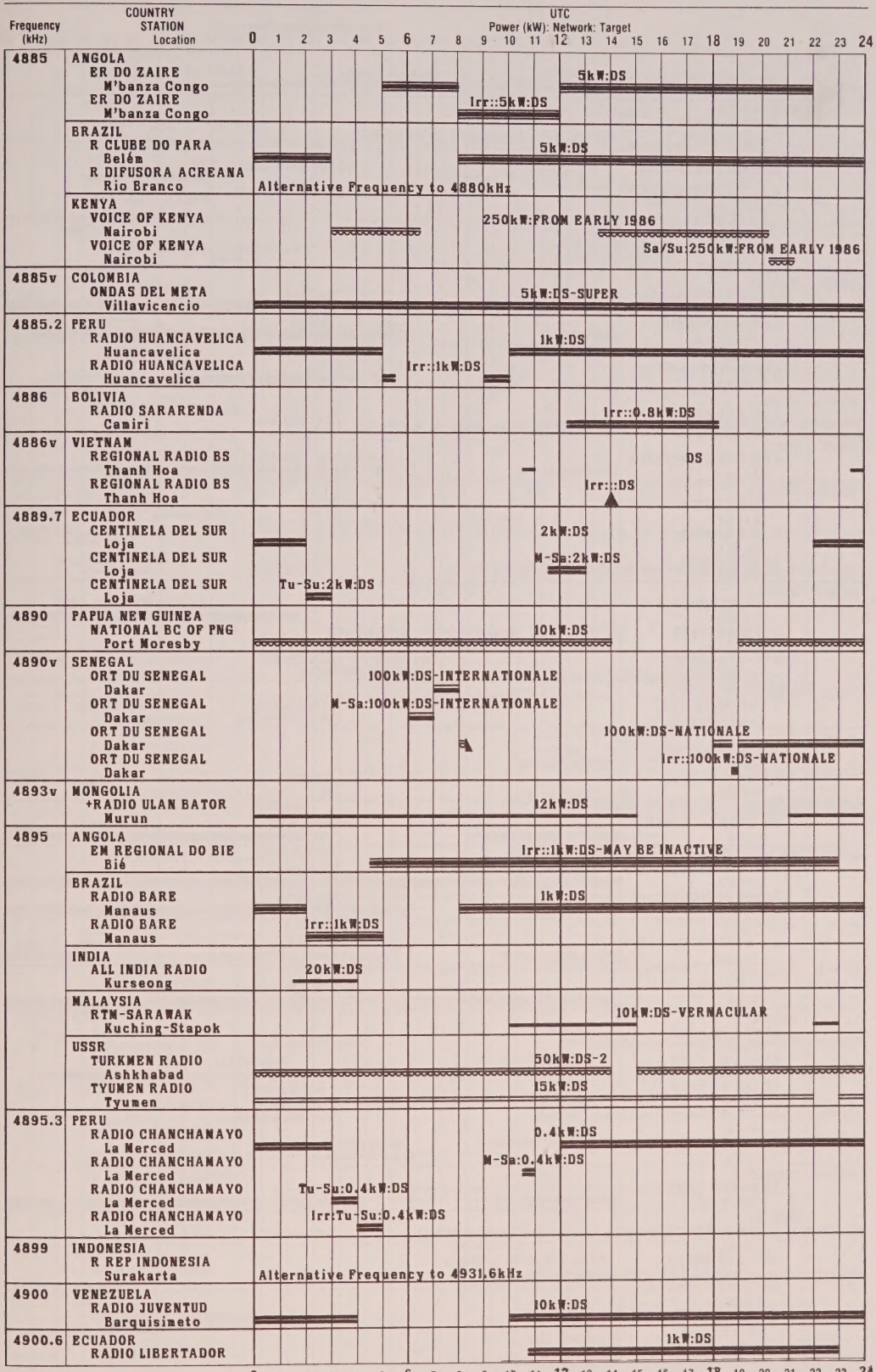

Frequency (kHz)
COUNTRY
STATION
Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
4800v
ECUADOR
RADIO POPULAR
Cuenca
RADIO POPULAR
Cuenca
5kW:DS
Irr::5kW:DS
4804
KENYA
VOICE OF KENYA
Nairobi
VOICE OF KENYA
Nairobi
VOICE OF KENYA
Nairobi
VOICE OF KENYA
Nairobi
Irr::5kW:DS-GENERAL
Irr:M-F:5kW:DS-GENERAL
Irr:M-Sa:5kW:DS-GENERAL
Irr:Sa:5kW:DS-GENERAL
4804v
BOLIVIA
RADIO SANTA ANA
Santa Ana
RADIO SANTA ANA
Santa Ana
0.25kW:DS
Irr::0.25kW:DS
VIETNAM
REGIONAL RADIO BS
Lam Dong
REGIONAL RADIO BS
Lam Dong
DS
Irr:::DS
4805v
BRAZIL
DIFUSORA AMAZONAS
Manaus
RADIO ITATIAIA
Belo Horizonte
5kW:DS
0.5kW:DS
4805.3
INDONESIA
R REP INDONESIA
Kupang
Irr::0.3kW:DS
4807
SAO TOME E PRINCIPE
RADIO NACIONAL
São Tomé
RADIO NACIONAL
São Tomé
10kW:DS
Sa:10kW:DS
4810
GABON
AFRIQUE NUMERO UN
Moanda-Moyabe
250kW::CAP
PERU
RADIO SAN MARTIN
Tarapoto
RADIO SAN MARTIN
Tarapoto
3kW:DS
Irr::3kW:DS
USSR
ARMENIAN RADIO
Yerevan
ARMENIAN RADIO
Yerevan
KIRGHIZ RADIO
Frunze, Kirgiziya
50kW:DS-1
50kW:DS-2
50kW:DS-1
4810.3
ECUADOR
LV DE GALAPAGOS
San Cristóbal
LV DE GALAPAGOS
San Cristóbal
5kW:DS
Tu-Su:5kW:DS
4813v
INDONESIA
R REP INDONESIA
Sorong
R REP INDONESIA
Sorong
R REP INDONESIA
Sorong
10kW:DS
Sa:10kW:DS
Su-F:10kW:DS
4814.7
BRAZIL
R NAC TABATINGA
Benjamim Constant
10kW:DS
4815
BRAZIL
RADIO DIFUSORA
Londrina
BURKINA FASO
RTV BURKINA
Ouagadougou
CHINA (PR)
RADIO BEIJING
Togtoh
RADIO BEIJING
Togtoh
PAKISTAN
PAKISTAN BC CORP
Karachi
0.5kW:DS
50kW:DS/ES
10kW::EAS
Irr::10kW::EUSSR
10kW:DS
4819.6
ECUADOR
RADIO PAZ Y BIEN
Ambato
RADIO PAZ Y BIEN
Ambato
2kW:DS-SPANISH, ETC
Tu-Su:2kW:DS-SPANISH, ETC
4820
(con'd)
BOTSWANA
RADIO BOTSWANA
Gaborone
50kW:DS-ENGLISH, ETC
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH
GERMAN/DEUTSCH
FRENCH/FRANÇAIS
PORTUGUESE/PORTUGUÊS
SPANISH/ESPAÑOL
ARABIC/عربي
RUSSIAN/РУССКИЙ
CHINESE/中文
JAPANESE/日本語
MULTILINGUAL
OTHER
SUMMER ONLY (J)
WINTER ONLY (D)
JAMMING
FADE-IN
FADE-OUT
+ TENTATIVE

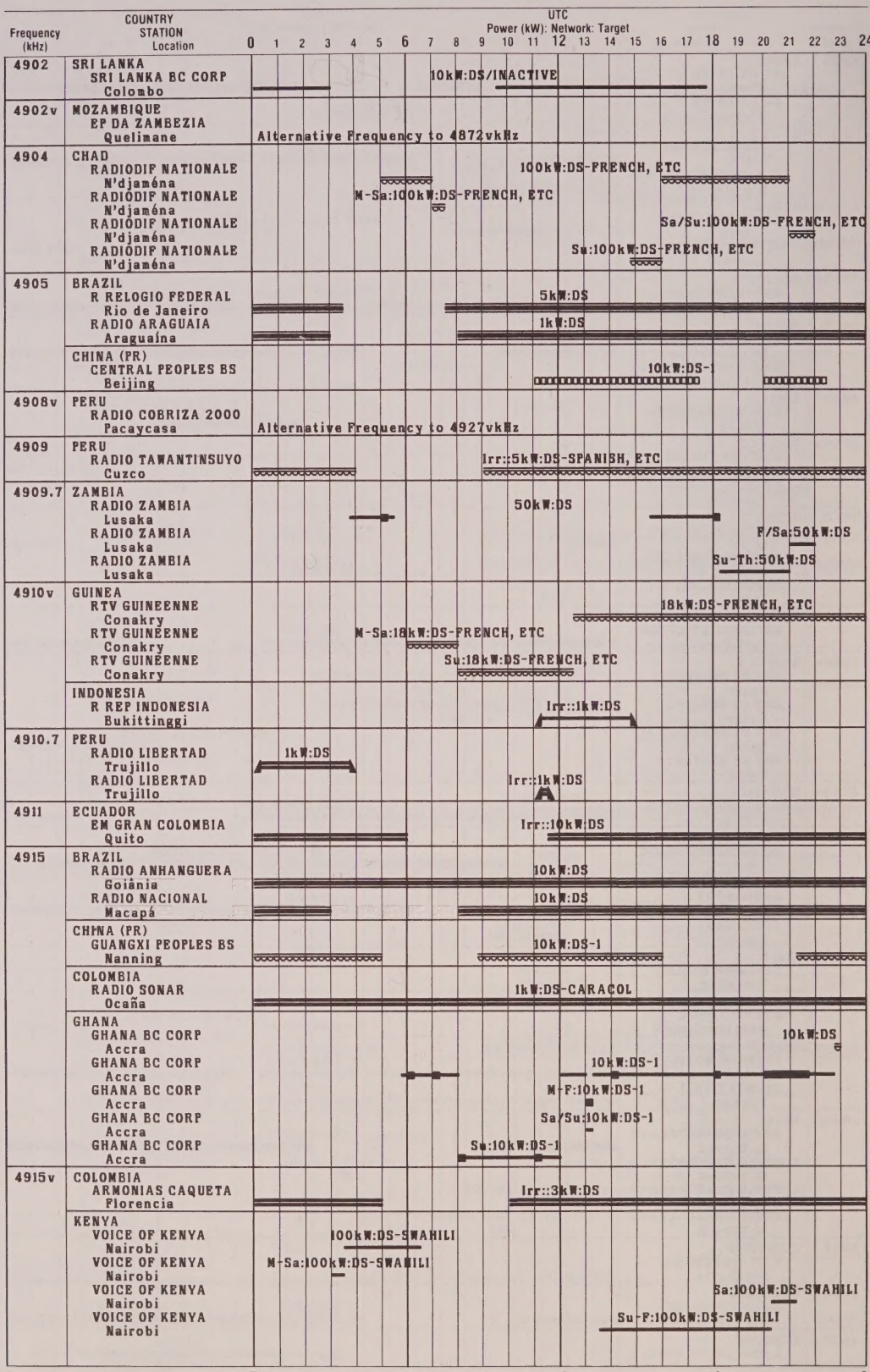

Frequency (kHz)
COUNTRY STATION Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
4820 (con'd)
BOTSWANA
RADIO BOTSWANA Gaborone
RADIO BOTSWANA Gaborone
Irr::50kW:DS-ENGLISH, ETC
Th-Su:50kW:DS-ENGLISH, ETC
HONDURAS
LV EVANGELICA Tegucigalpa
LV EVANGELICA Tegucigalpa
LV EVANGELICA Tegucigalpa
LV EVANGELICA Tegucigalpa
5kW:DS
Irr::5kW:DS
M:5kW:DS
Tu-Su:5kW:DS
INDIA
ALL INDIA RADIO Calcutta
10kW:DS
USSR
KHANTY-MANSIYSK R Khanty-Mansiysk
50kW:DS
4820v
ANGOLA
+ER DA HUILA Lubango
25kW:DS
4822v
VIETNAM
REGIONAL RADIO BS Ha Tuyen
Irr::DS
4825
BRAZIL
RADIO EDUCADORA Bragança
5kW:DS
GUATEMALA
RADIO MAM Cabricán
1kW:DS/SPANISH, ETC
MAURITANIE
ORT DE MAURITANIE Nouakchott
Alternative Frequency to 4845kHz
PERU
LV DE LA SELVA Iquitos
10kW:DS
USSR
RADIO MOSCOW Vladivostok
RADIO MOSCOW/RP&P Star'obel'sk
RADIO MOSCOW/RP&P Star'obel'sk
RADIO MOSCOW/RP&P Vladivostok
RADIO MOSCOW/RP&P Vladivostok
TURKMEN RADIO Ashkhabad
100kW:DS-2:EAS
100kW:(D):EU
100kW:WS (J)
100kW::EAS
100kW:(D):EAS
50kW:DS-1
4825.3
PERU
RADIO MOQUEGUA Moquegua
DS
4826v
PERU
RADIO SICUANI Sicuani
RADIO SICUANI Sicuani
0.35kW:DS
Tu-Su:0.35kW:DS
4827v
BOLIVIA
RADIO GRIGOTA Santa Cruz
RADIO GRIGOTA Santa Cruz
1kW:DS
Su:1kW:DS
4830
THAILAND
RADIO THAILAND Bangkok
10kW:DS-1
VENEZUELA
RADIO TACHIRA San Cristóbal
RADIO TACHIRA San Cristóbal
10kW:DS
Tu-Su:10kW:DS
4830v
CHINA (PR)
LIAONING PBS Shenyang
10kW:DS
4832
COSTA RICA
RADIO RELOJ San José
3kW:DS
4835
BRAZIL
RADIO ATALAIA Corumbá
+RADIO DIFUSORA Teresina
5kW:DS
0.5kW:DS
GUATEMALA
RADIO TEZULUTLAN Cobán
3kW:DS
MALAYSIA
RTM-SARAWAK Kuching, Stapok
(con'd)
10kW:DS-MALAY, MELANEU
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH
GERMAN/DEUTSCH
FRENCH/FRANÇAIS
PORTUGUESE/PORTUGUÊS
SPANISH/ESPAÑOL
ARABIC/عربي
RUSSIAN/РУССКИЙ
CHINESE/中文
JAPANESE/日本語
MULTILINGUAL
OTHER
SUMMER ONLY (J)
WINTER ONLY (D)
JAMMING ⋀⋀ or /
FADE-IN
FADE-OUT
+ TENTATIVE

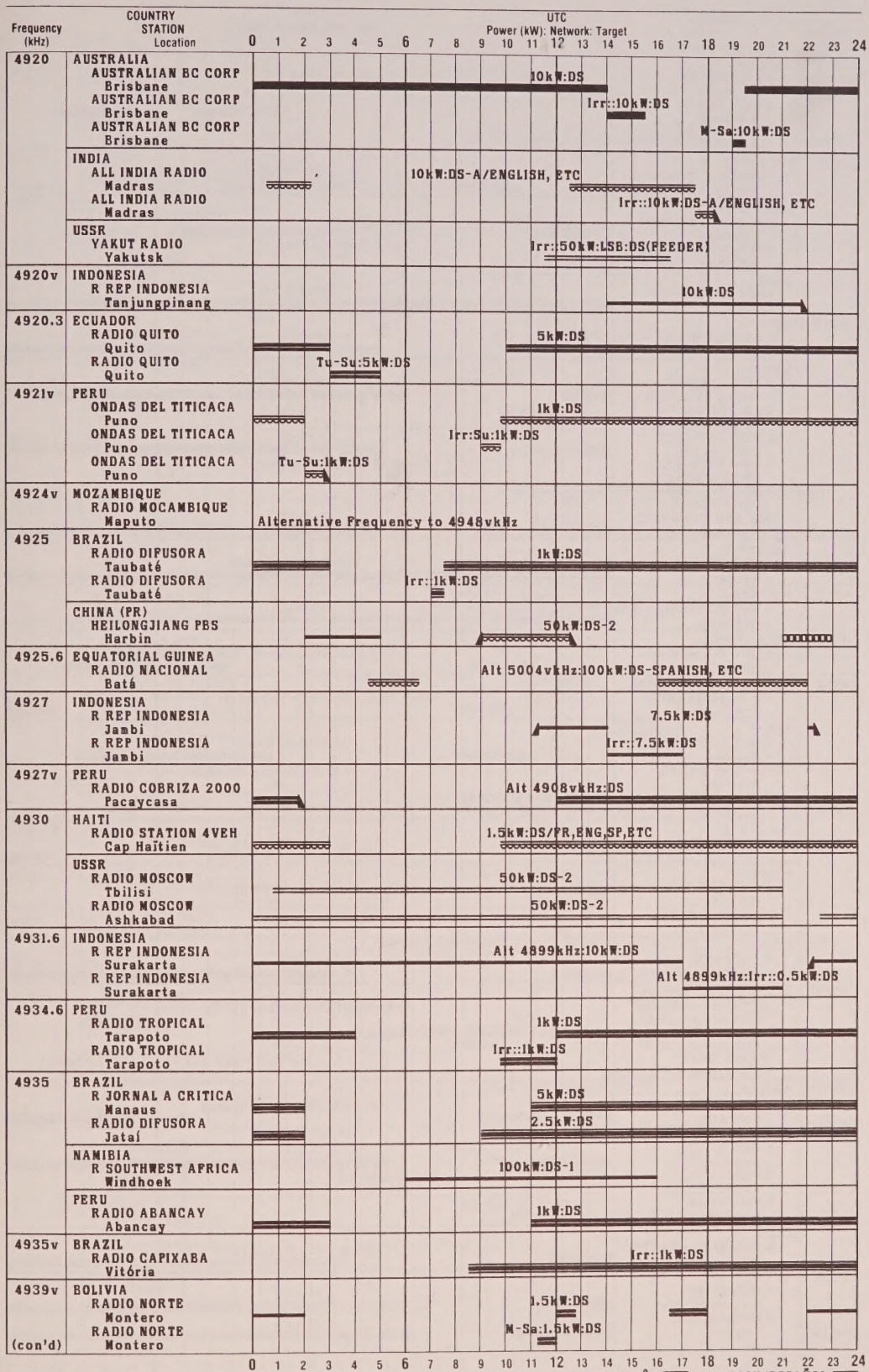

Frequency (kHz)
COUNTRY STATION Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
4835 (con'd)
MALAYSIA
RTM-SARAWAK
Kuching, Stapok
Su:10kW:DS-MALAY, MELANEU
SOUTH AFRICA
SOUTH AFRICAN BC
Meyerton
100kW:DS
SOUTH AFRICAN BC
Meyerton
M-F:100kW:DS
SOUTH AFRICAN BC
Meyerton
M-Sa:100kW:DS
SOUTH AFRICAN BC
Meyerton
Su:100kW:DS
4837v
MONGOLIA
RADIO ULAN BATOR
Altai
12kW:DS
4838v
MALI
RTV MALIENNE
Bamako
18kW:DS-FRENCH, ETC
RTV MALIENNE
Bamako
M-Sa:18kW:DS-FRENCH, ETC
4839.6
PERU
RADIO ANDAHUAYLAS
Andahuaylas
2kW:DS
4840
CHINA (PR)
HEILONGJIANG PBS
Harbin
50kW:DS-CHINESE
VO THE STRAIT-PLA
Fuzhou
10kW:TAIWAN-2
INDIA
ALL INDIA RADIO
Bombay
10kW:DS
ALL INDIA RADIO
Bombay
Irr::10kW:DS
VENEZUELA
RADIO VALERA
Valera
1kW:DS
4845
BOLIVIA
RADIO FIDES
La Paz
10kW:DS
RADIO FIDES
La Paz
M-Sa:10kW:DS
RADIO FIDES
La Paz
Tu-Su:10kW:DS
BRAZIL
RADIO NACIONAL
Manaus
250kW:DS
MALAYSIA
RADIO MALAYSIA
Kajang
50kW:DS-TAMIL
MAURITANIA
ORT DE MAURITANIE
Nouakchott
Alt 4825kHz:100kW:DS
4845v
COLOMBIA
RADIO BUCARAMANGA
Bucaramanga
1kW:DS
INDONESIA
R REP INDONESIA
Ambon
10kW:DS
R REP INDONESIA
Ambon
Irr::10kW:DS
4849v
ANGOLA
EM REGIONAL UIGE
Uige
Irr::5kW:DS
4849.6
COSTA RICA
RADIO COLUMBIA
San José
10kW:DS
4850
CAMEROON
R NAT DU CAMEROUN
Yaoundé
100kW:DS-ENGLISH, FRENCH
INDIA
ALL INDIA RADIO
Kohima
2kW:DS
MONGOLIA
RADIO MOSCOW/RP&P
Ulan Bator
100kW::EAS
RADIO ULAN BATOR
Ulan Bator
100kW:DS-1
RADIO ULAN BATOR
Ulan Bator
Tu/F:100kW::2USSR
RADIO ULAN BATOR
Ulan Bator
Sa-M/W/Th:100kW:DS-1
USSR
UZBEK RADIO
Tashkent
50kW:DS-2
VENEZUELA
RADIO CAPITAL
Caracas
Irr::1kW:DS
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH
GERMAN/DEUTSCH
FRENCH/FRANÇAIS
PORTUGUESE/PORTUGUÊS
SPANISH/ESPAÑOL
ARABIC/عربي
RUSSIAN/РУССКИЙ
CHINESE/中文
JAPANESE/日本語
MULTILINGUAL
OTHER
SUMMER ONLY (J)
WINTER ONLY (D)
JAMMING ⋀⋀ or /
FADE-IN
FADE-OUT
+ TENTATIVE

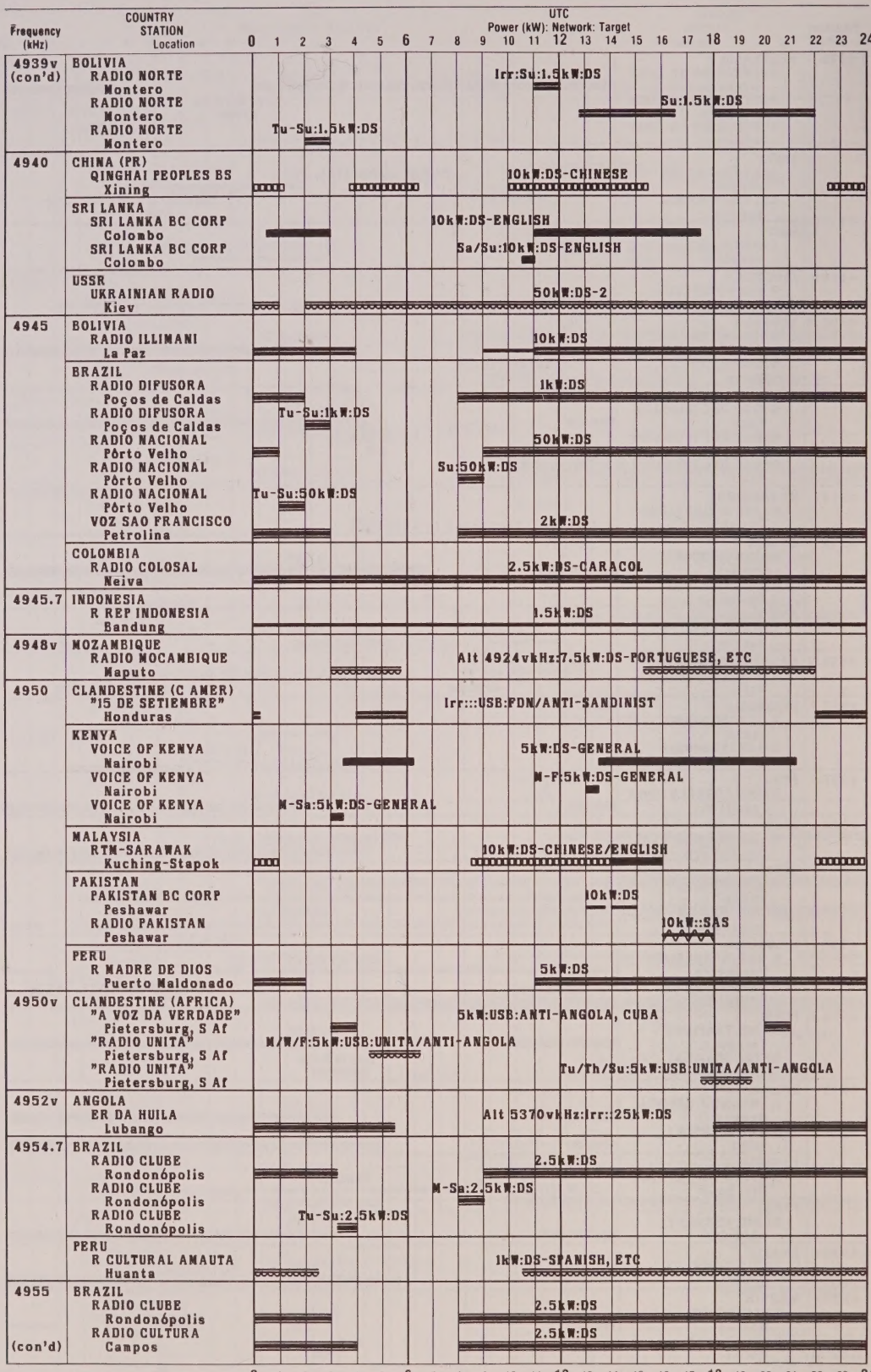

Frequency (kHz)
COUNTRY
STATION
Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
4851.2
ECUADOR
RADIO LUZ Y VIDA
Loja
5kW:DS
RADIO LUZ Y VIDA
Loja
Irr::5kW:DS
4852.7
YEMEN (PDR)
"VO PALESTINE"
San'a
100kW:FLO
RADIO SAN'A
San'a
100kW:DS
RADIO SAN'A
San'a
F:100kW:DS
4854.2
PERU
RADIO PAMPAS
Pampas
1kW:DS
RADIO PAMPAS
Pampas
Irr:M-Sa:1kW:DS
RADIO PAMPAS
Pampas
Irr:Tu-Su:1kW:DS
4855
BRAZIL
R POR MUNDO MELHOR
Gov Valadares
1kW:DS
R POR MUNDO MELHOR
Gov Valadares
M-Sa:1kW:DS
RADIO ARUANA
Barra do Garças
1kW:DS
4855v
MAURITIUS
MAURITIUS BC CORP
Curepipe
10kW:DS-FRENCH,ENG,ETC
MAURITIUS BC CORP
Curepipe
Sa:10kW:DS-FRENCH,ENG,ETC
4856v
INDONESIA
R REP INDONESIA
Palembang
10kW:DS
R REP INDONESIA
Palembang
Su:10kW:DS
4859v
PERU
R CHINCHAYCOCHA
Junin
Irr::0.5kW:DS
4860
INDIA
ALL INDIA RADIO
Delhi
10kW::SEA
ALL INDIA RADIO
Delhi
10kW:DS-ENGLISH, ETC
ALL INDIA RADIO
Delhi
Irr::10kW:DS-ENGLISH, ETC
ALL INDIA RADIO
Delhi
10kW:DS-FORCES/ENG, ETC
USSR
CHITA RADIO
Chita
15kW:DS-1
RADIO MOSCOW
Kalinin
50kW:DS-1 (D)
RADIO MOSCOW
Kalinin
50kW:DS-3
RADIO MOSCOW
Kalinin
50kW:DS-3 (J)
RADIO MOSCOW/RP&P
Kalinin
50kW:N AMERICAN (D)
RADIO MOSCOW/RP&P
Kalinin
50kW:(D):EEU
VENEZUELA
RADIO MARACAIBO
Maracaibo
Irr::1kW:DS
4865
BRAZIL
RADIO SOCIEDADE
Feira de Santana
1kW:DS
CHINA (PR)
GANSU PEOPLES BS
Lanzhou
50kW:DS-CHINESE
COLOMBIA
LV DEL CINARUCO
Arauca
1kW:DS-CARACOL
LV DEL CINARUCO
Arauca
Tu-Su:1kW:DS-CARACOL
4865v
MONGOLIA
RADIO MOSCOW/RP&P
Sainshand
12kW::EAS
RADIO ULAN BATOR
Sainshand
12kW:DS-1
RADIO ULAN BATOR
Sainshand
Tu/F:12kW::RUSSR
RADIO ULAN BATOR
Sainshand
Sa-M/W/Th:12kW:DS-1
4867
INDONESIA
R REP INDONESIA
Wamena
Alternative Frequency to 5043.6kHz
4867v
MOZAMBIQUE
RADIO MOCAMBIQUE
Maputo
Alternative Frequency to 4734vkHz
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH
GERMAN/DEUTSCH
FRENCH/FRANÇAIS
PORTUGUESE/PORTUGUÊS
SPANISH/ESPAÑOL
ARABIC/عربي
RUSSIAN/РУССКИЙ
CHINESE/中文
JAPANESE/日本語
MULTILINGUAL
OTHER
SUMMER ONLY (J)
WINTER ONLY (D)
JAMMING
FADE-IN
FADE-OUT
+ TENTATIVE

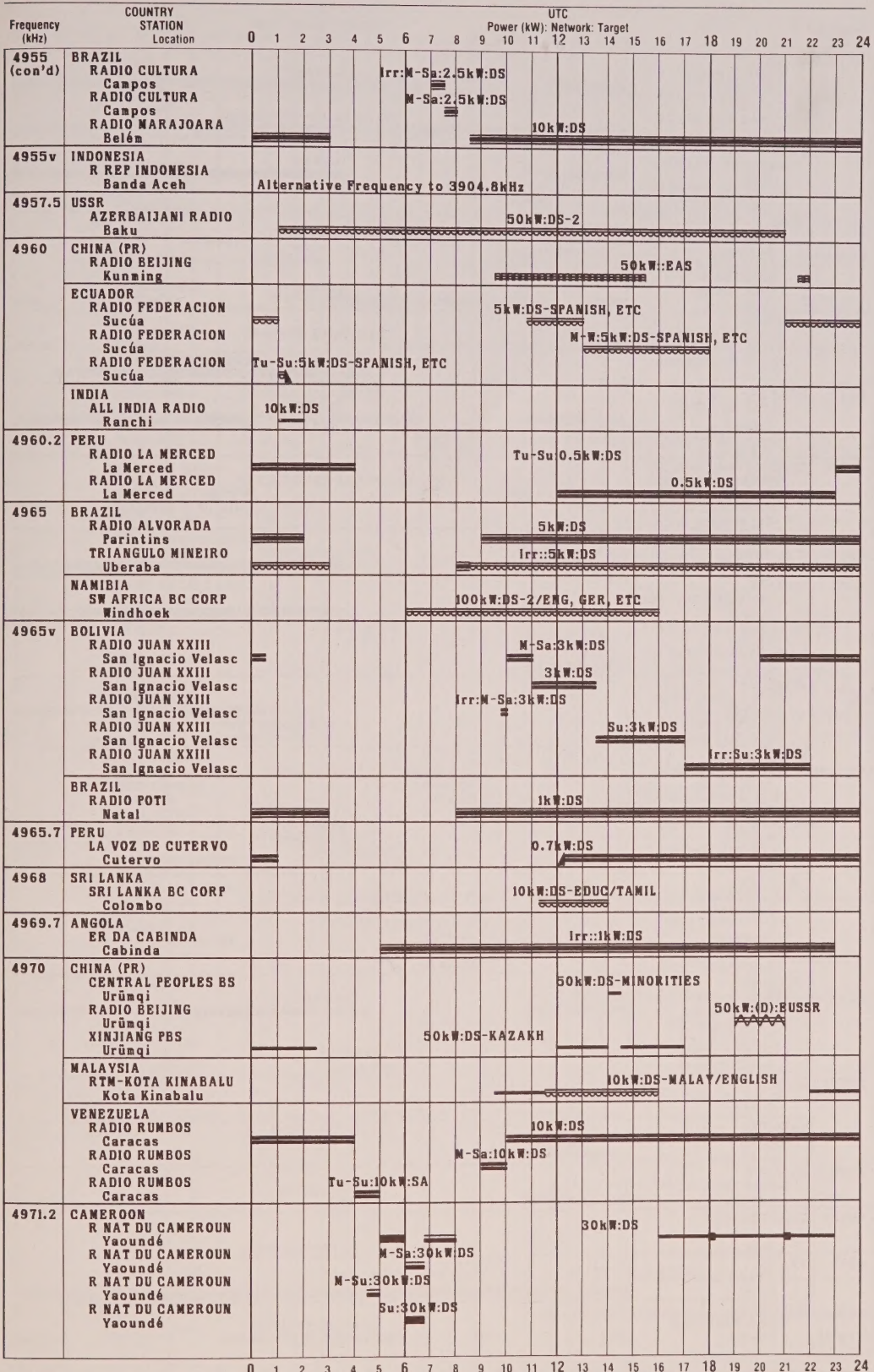

Frequency (kHz)
COUNTRY
STATION
Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
4870
BENIN
ORT DU BENIN
Cotonou
30kW:DS
ORT DU BENIN
Cotonou
M-F:30kW:DS
ORT DU BENIN
Cotonou
M-Sa:30kW:DS
ORT DU BENIN
Cotonou
Sa/Su:30kW:DS
ORT DU BENIN
Cotonou
Su:30kW:DS
ECUADOR
RADIO RIO AMAZONAS
Macuma
5kW:DS-SPANISH, ETC
RADIO RIO AMAZONAS
Macuma
Tu-Su:5kW:DS-SPANISH, ETC
RADIO RIO AMAZONAS
Macuma
Irr:Tu-Su:5kW:DS-SPANISH, ETC
SRI LANKA
SRI LANKA BC CORP
Colombo
10kW:DS-SINHALA COMM'L
4871v
INDONESIA
R REP INDONESIA
Sorong
10kW:DS
R REP INDONESIA
Sorong
Sa:10kW:DS
R REP INDONESIA
Sorong
Su-F:10kW:DS
4872v
MOZAMBIQUE
EP DA ZAMBEZIA
Quelimane
Alt 4902vkHz:Irr::0.25kW:DS-PORT, ETC
4875
BRAZIL
R JORNAL DO BRASIL
Rio de Janeiro
10kW:DS
RADIO NACIONAL
Boa Vista
10kW:DS
USSR
SARATOV RADIO
Ural'sk
15kW:DS
SARATOV RADIO
Ural'sk
M-Sa:15kW:DS
4876
BOLIVIA
R LA CRUZ DEL SUR
La Paz
M-F:10kW:DS
R LA CRUZ DEL SUR
La Paz
10kW:DS
R LA CRUZ DEL SUR
La Paz
M-Sa:10kW:DS
R LA CRUZ DEL SUR
La Paz
Su:10kW:DS
4876v
COLOMBIA
RADIO SUPER
Medellin
2kW:DS-SUPER
PERU
RADIO CENTRAL
Bellavista
DS
4878.7
PAKISTAN
PAKISTAN BC CORP
Quetta
10kW:DS
PAKISTAN BC CORP
Quetta
Irr::10kW:DS
PAKISTAN BC CORP
Quetta
Sa-Th:10kW:DS
4879v
BANGLADESH
RADIO BANGLADESH
Dhaka
10kW:DS
4880
BRAZIL
R DIFUSORA ACREANA
Rio Branco
Alt 4885kHz:5kW:DS
SOUTH AFRICA
SOUTH AFRICAN BC
Meyerton
100kW:DS
SOUTH AFRICAN BC
Meyerton
M-F:100kW:DS
SOUTH AFRICAN BC
Meyerton
M-Sa:100kW:DS
SOUTH AFRICAN BC
Meyerton
M/W/F:100kW:DS-AGRICULTURE RPT
SOUTH AFRICAN BC
Meyerton
Tu/Th:100kW:DS-AGRICULTURE RPT
4882.5
GERMANY (FR)
DEUTSCHE WELLE
Elmshorn
Irr::20kW:USB:N AM SVC/VERY IRR(FEEDER):EU
4883
CHINA (PR)
RADIO BEIJING
Hohhot
50kW::EAS
RADIO BEIJING
Hohhot
Irr::50kW::EUSSR
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH
GERMAN/DEUTSCH
FRENCH/FRANÇAIS
PORTUGUESE/PORTUGUÊS
SPANISH/ESPAÑOL
ARABIC/
RUSSIAN/РУССКИЙ
CHINESE/
JAPANESE/
MULTILINGUAL
OTHER
SUMMER ONLY (J)
WINTER ONLY (D)
JAMMING or /
FADE-IN
FADE-OUT
+ TENTATIVE

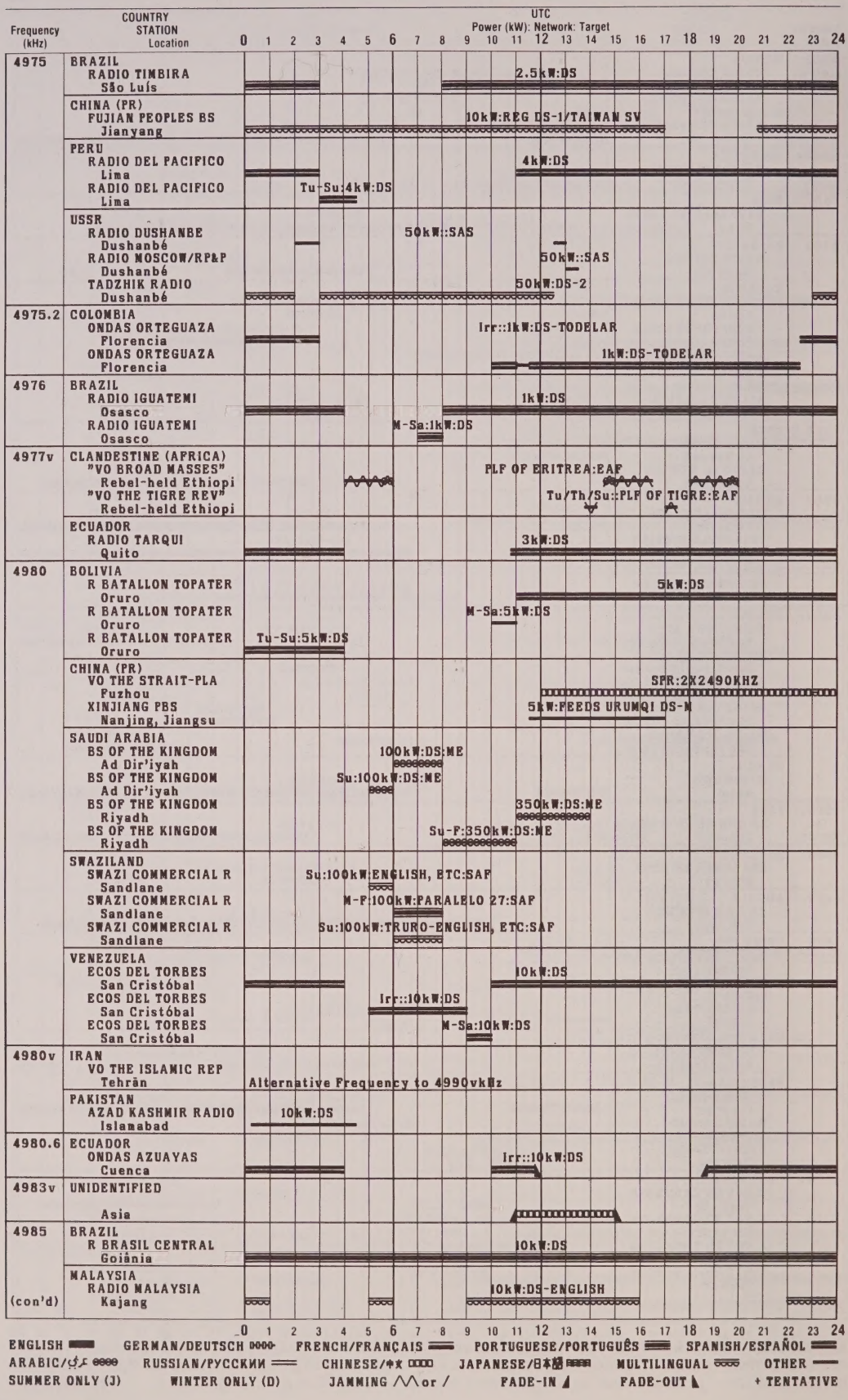

Frequency (kHz)
COUNTRY
STATION
Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
4885
ANGOLA
ER DO ZAIRE
M'banza Congo
ER DO ZAIRE
M'banza Congo
5kW:DS
Irr::5kW:DS
BRAZIL
R CLUBE DO PARA
Belém
R DIFUSORA ACREANA
Rio Branco
5kW:DS
Alternative Frequency to 4880kHz
KENYA
VOICE OF KENYA
Nairobi
VOICE OF KENYA
Nairobi
250kW:FROM EARLY 1986
Sa/Su:250kW:FROM EARLY 1986
4885v
COLOMBIA
ONDAS DEL META
Villavicencio
5kW:DS-SUPER
4885.2
PERU
RADIO HUANCAVELICA
Huancavelica
RADIO HUANCAVELICA
Huancavelica
1kW:DS
Irr::1kW:DS
4886
BOLIVIA
RADIO SARARENDA
Camiri
Irr::0.8kW:DS
4886v
VIETNAM
REGIONAL RADIO BS
Thanh Hoa
REGIONAL RADIO BS
Thanh Hoa
DS
Irr::DS
4889.7
ECUADOR
CENTINELA DEL SUR
Loja
CENTINELA DEL SUR
Loja
CENTINELA DEL SUR
Loja
2kW:DS
M-Sa:2kW:DS
Tu-Su:2kW:DS
4890
PAPUA NEW GUINEA
NATIONAL BC OF PNG
Port Moresby
10kW:DS
4890v
SENEGAL
ORT DU SENEGAL
Dakar
ORT DU SENEGAL
Dakar
ORT DU SENEGAL
Dakar
ORT DU SENEGAL
Dakar
100kW:DS-INTERNATIONALE
M-Sa:100kW:DS-INTERNATIONALE
100kW:DS-NATIONALE
Irr::100kW:DS-NATIONALE
4893v
MONGOLIA
+RADIO ULAN BATOR
Murun
12kW:DS
4895
ANGOLA
EM REGIONAL DO BIE
Bié
Irr::1kW:DS-MAY BE INACTIVE
BRAZIL
RADIO BARE
Manaus
RADIO BARE
Manaus
1kW:DS
Irr::1kW:DS
INDIA
ALL INDIA RADIO
Kurseong
20kW:DS
MALAYSIA
RTM-SARAWAK
Kuching-Stapok
10kW:DS-VERNACULAR
USSR
TURKMEN RADIO
Ashkhabad
TYUMEN RADIO
Tyumen
50kW:DS-2
15kW:DS
4895.3
PERU
RADIO CHANCHAMAYO
La Merced
RADIO CHANCHAMAYO
La Merced
RADIO CHANCHAMAYO
La Merced
RADIO CHANCHAMAYO
La Merced
0.4kW:DS
M-Sa:0.4kW:DS
Tu-Su:0.4kW:DS
Irr:Tu-Su:0.4kW:DS
4899
INDONESIA
R REP INDONESIA
Surakarta
Alternative Frequency to 4931.6kHz
4900
VENEZUELA
RADIO JUVENTUD
Barquisimeto
10kW:DS
4900.6
ECUADOR
RADIO LIBERTADOR
1kW:DS
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH
GERMAN/DEUTSCH
FRENCH/FRANÇAIS
PORTUGUESE/PORTUGUÊS
SPANISH/ESPAÑOL
ARABIC/عربي
RUSSIAN/РУССКИЙ
CHINESE/中文
JAPANESE/日本語
MULTILINGUAL
OTHER
SUMMER ONLY (J)
WINTER ONLY (D)
JAMMING ⋀⋀ or /
FADE-IN
FADE-OUT
+ TENTATIVE

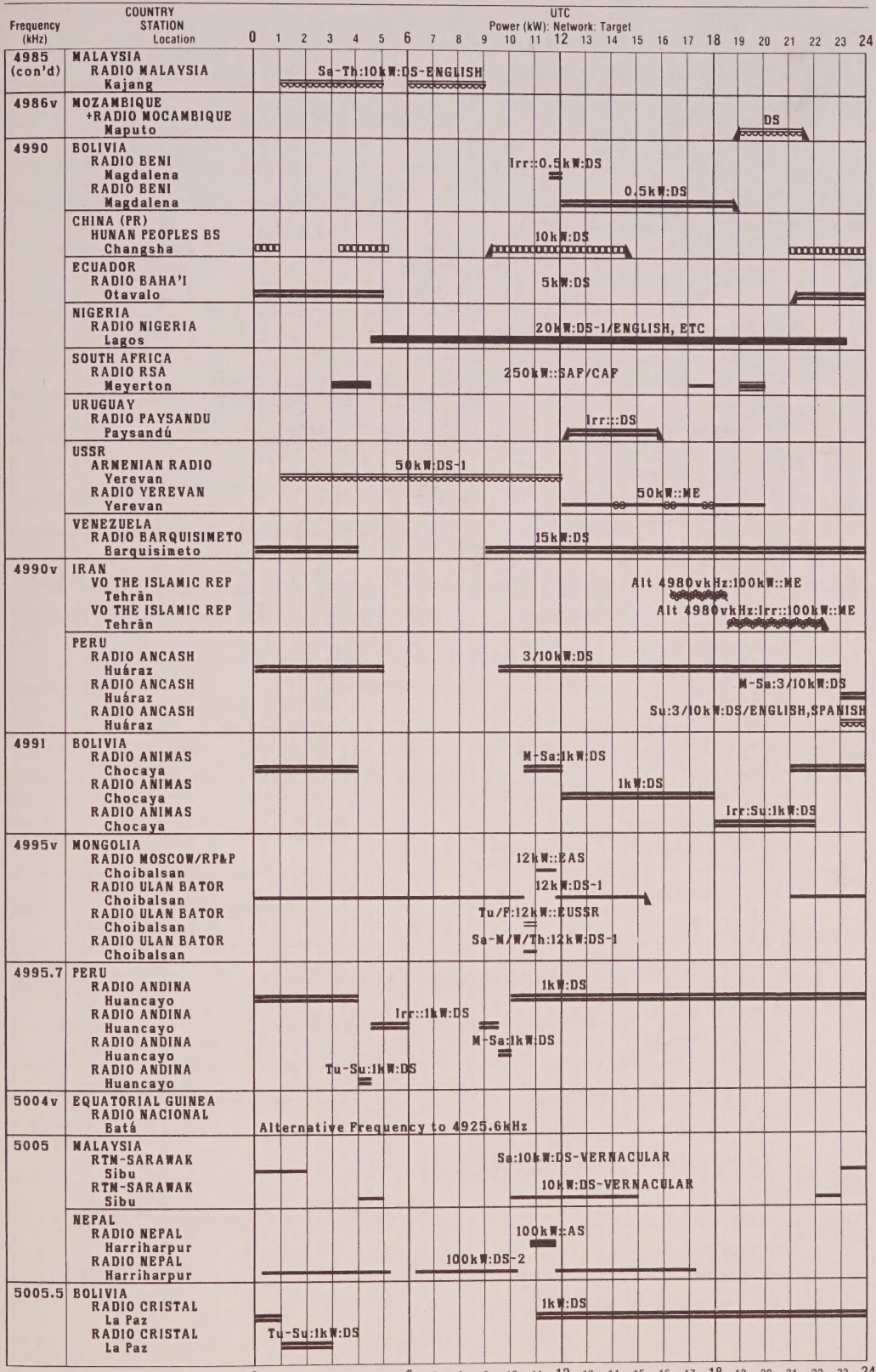

Frequency (kHz)
COUNTRY STATION Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
4902
SRI LANKA
SRI LANKA BC CORP
Colombo
10kW:DS/INACTIVE
4902v
MOZAMBIQUE
EP DA ZAMBEZIA
Quelimane
Alternative Frequency to 4872vkHz
4904
CHAD
RADIODIF NATIONALE
N'djaména
100kW:DS-FRENCH, ETC
RADIODIF NATIONALE
N'djaména
M-Sa:100kW:DS-FRENCH, ETC
RADIODIF NATIONALE
N'djaména
Sa/Su:100kW:DS-FRENCH, ETC
RADIODIF NATIONALE
N'djaména
Su:100kW:DS-FRENCH, ETC
4905
BRAZIL
R RELOGIO FEDERAL
Rio de Janeiro
5kW:DS
RADIO ARAGUAIA
Araguaína
1kW:DS
CHINA (PR)
CENTRAL PEOPLES BS
Beijing
10kW:DS-1
4908v
PERU
RADIO COBRIZA 2000
Pacaycasa
Alternative Frequency to 4927vkHz
4909
PERU
RADIO TAWANTINSUYO
Cuzco
Irr::5kW:DS-SPANISH, ETC
4909.7
ZAMBIA
RADIO ZAMBIA
Lusaka
50kW:DS
RADIO ZAMBIA
Lusaka
F/Sa:50kW:DS
RADIO ZAMBIA
Lusaka
Su-Th:50kW:DS
4910v
GUINEA
RTV GUINEENNE
Conakry
18kW:DS-FRENCH, ETC
RTV GUINEENNE
Conakry
M-Sa:18kW:DS-FRENCH, ETC
RTV GUINEENNE
Conakry
Su:18kW:DS-FRENCH, ETC
INDONESIA
R REP INDONESIA
Bukittinggi
Irr::1kW:DS
4910.7
PERU
RADIO LIBERTAD
Trujillo
1kW:DS
RADIO LIBERTAD
Trujillo
Irr::1kW:DS
A
4911
ECUADOR
EM GRAN COLOMBIA
Quito
Irr::10kW:DS
4915
BRAZIL
RADIO ANHANGUERA
Goiânia
10kW:DS
RADIO NACIONAL
Macapá
10kW:DS
CHINA (PR)
GUANGXI PEOPLES BS
Nanning
10kW:DS-1
COLOMBIA
RADIO SONAR
Ocaña
1kW:DS-CARACOL
GHANA
GHANA BC CORP
Accra
10kW:DS
GHANA BC CORP
Accra
10kW:DS-1
GHANA BC CORP
Accra
M-F:10kW:DS-1
GHANA BC CORP
Accra
Sa/Su:10kW:DS-1
GHANA BC CORP
Accra
Su:10kW:DS-1
4915v
COLOMBIA
ARMONIAS CAQUETA
Florencia
Irr::3kW:DS
KENYA
VOICE OF KENYA
Nairobi
100kW:DS-SWAHILI
VOICE OF KENYA
Nairobi
M-Sa:100kW:DS-SWAHILI
VOICE OF KENYA
Nairobi
Sa:100kW:DS-SWAHILI
VOICE OF KENYA
Nairobi
Su-F:100kW:DS-SWAHILI
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH
GERMAN/DEUTSCH
FRENCH/FRANÇAIS
PORTUGUESE/PORTUGUÊS
SPANISH/ESPAÑOL
ARABIC/عربى
RUSSIAN/РУССКИЙ
CHINESE/中文
JAPANESE/日本語
MULTILINGUAL
OTHER
SUMMER ONLY (J)
WINTER ONLY (D)
JAMMING
FADE-IN
FADE-OUT
+ TENTATIVE

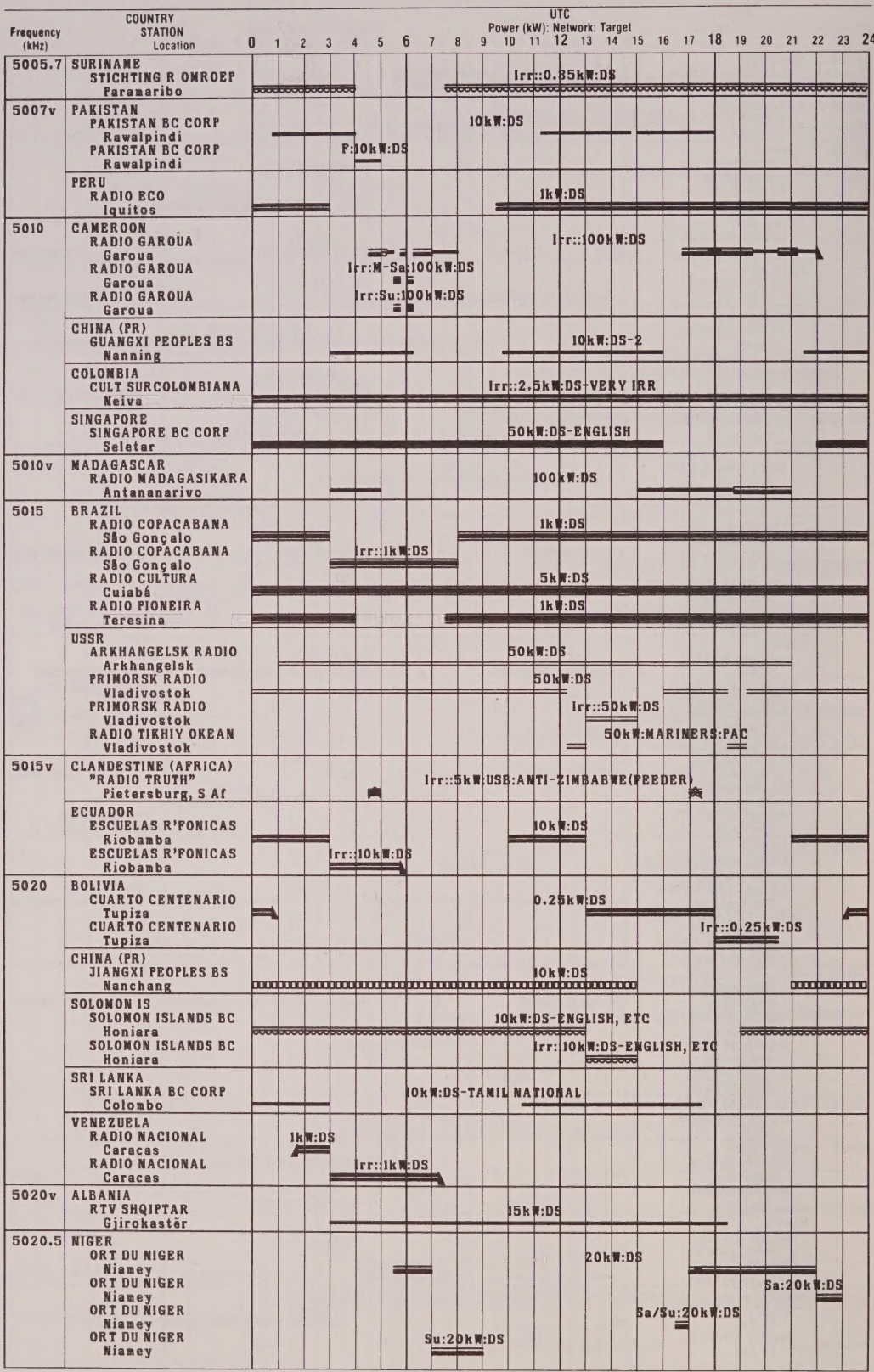

Frequency (kHz)
COUNTRY
STATION
Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
4920
AUSTRALIA
AUSTRALIAN BC CORP Brisbane
AUSTRALIAN BC CORP Brisbane
AUSTRALIAN BC CORP Brisbane
10kW:DS
Irr::10kW:DS
M-Sa:10kW:DS
INDIA
ALL INDIA RADIO Madras
ALL INDIA RADIO Madras
10kW:DS-A/ENGLISH, ETC
Irr::10kW:DS-A/ENGLISH, ETC
USSR
YAKUT RADIO Yakutsk
Irr::50kW:LSB:DS(FEEDER)
4920v
INDONESIA
R REP INDONESIA Tanjungpinang
10kW:DS
4920.3
ECUADOR
RADIO QUITO Quito
RADIO QUITO Quito
5kW:DS
Tu-Su:5kW:DS
4921v
PERU
ONDAS DEL TITICACA Puno
ONDAS DEL TITICACA Puno
ONDAS DEL TITICACA Puno
1kW:DS
Irr:Su:1kW:DS
Tu-Su:1kW:DS
4924v
MOZAMBIQUE
RADIO MOCAMBIQUE Maputo
Alternative Frequency to 4948vkHz
4925
BRAZIL
RADIO DIFUSORA Taubaté
RADIO DIFUSORA Taubaté
1kW:DS
Irr::1kW:DS
CHINA (PR)
HEILONGJIANG PBS Harbin
50kW:DS-2
4925.6
EQUATORIAL GUINEA
RADIO NACIONAL Batá
Alt 5004vkHz:100kW:DS-SPANISH, ETC
4927
INDONESIA
R REP INDONESIA Jambi
R REP INDONESIA Jambi
7.5kW:DS
Irr::7.5kW:DS
4927v
PERU
RADIO COBRIZA 2000 Pacaycasa
Alt 4908vkHz:DS
4930
HAITI
RADIO STATION 4VEH Cap Haïtien
1.5kW:DS/FR,ENG,SP,ETC
USSR
RADIO MOSCOW Tbilisi
RADIO MOSCOW Ashkabad
50kW:DS-2
50kW:DS-2
4931.6
INDONESIA
R REP INDONESIA Surakarta
R REP INDONESIA Surakarta
Alt 4899kHz:10kW:DS
Alt 4899kHz:Irr::0.5kW:DS
4934.6
PERU
RADIO TROPICAL Tarapoto
RADIO TROPICAL Tarapoto
1kW:DS
Irr::1kW:DS
4935
BRAZIL
R JORNAL A CRITICA Manaus
RADIO DIFUSORA Jataí
5kW:DS
2.5kW:DS
NAMIBIA
R SOUTHWEST AFRICA Windhoek
100kW:DS-1
PERU
RADIO ABANCAY Abancay
1kW:DS
4935v
BRAZIL
RADIO CAPIXABA Vitória
Irr::1kW:DS
4939v (con'd)
BOLIVIA
RADIO NORTE Montero
RADIO NORTE Montero
1.5kW:DS
M-Sa:1.5kW:DS
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH
GERMAN/DEUTSCH
FRENCH/FRANÇAIS
PORTUGUESE/PORTUGUÊS
SPANISH/ESPAÑOL
ARABIC/عربي
RUSSIAN/РУССКИЙ
CHINESE/中文
JAPANESE/日本語
MULTILINGUAL
OTHER
SUMMER ONLY (J)
WINTER ONLY (D)
JAMMING
FADE-IN
FADE-OUT
+ TENTATIVE

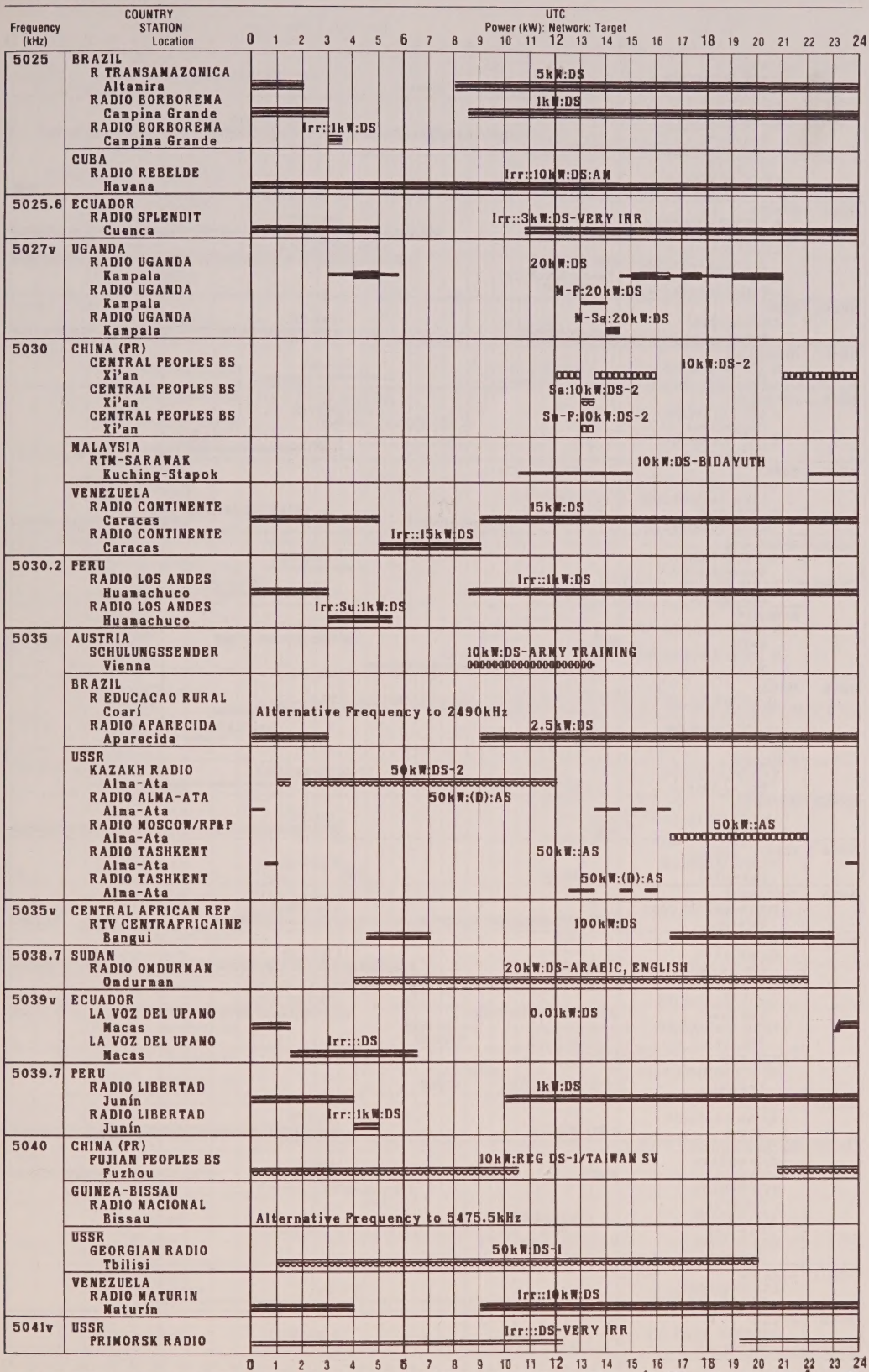

Frequency (kHz)
COUNTRY
STATION
Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
4939v (con'd)
BOLIVIA
RADIO NORTE
Montero
Irr:Su:1.5kW:DS
RADIO NORTE
Montero
Su:1.5kW:DS
RADIO NORTE
Montero
Tu-Su:1.5kW:DS
4940
CHINA (PR)
QINGHAI PEOPLES BS
Xining
10kW:DS-CHINESE
SRI LANKA
SRI LANKA BC CORP
Colombo
10kW:DS-ENGLISH
SRI LANKA BC CORP
Colombo
Sa/Su:10kW:DS-ENGLISH
USSR
UKRAINIAN RADIO
Kiev
50kW:DS-2
4945
BOLIVIA
RADIO ILLIMANI
La Paz
10kW:DS
BRAZIL
RADIO DIFUSORA
Poços de Caldas
1kW:DS
RADIO DIFUSORA
Poços de Caldas
Tu-Su:1kW:DS
RADIO NACIONAL
Pôrto Velho
50kW:DS
RADIO NACIONAL
Pôrto Velho
Su:50kW:DS
RADIO NACIONAL
Pôrto Velho
Tu-Su:50kW:DS
VOZ SAO FRANCISCO
Petrolina
2kW:DS
COLOMBIA
RADIO COLOSAL
Neiva
2.5kW:DS-CARACOL
4945.7
INDONESIA
R REP INDONESIA
Bandung
1.5kW:DS
4948v
MOZAMBIQUE
RADIO MOCAMBIQUE
Maputo
Alt 4924vkHz:7.5kW:DS-PORTUGUESE, ETC
4950
CLANDESTINE (C AMER)
"15 DE SETIEMBRE"
Honduras
Irr:::USB:FDN/ANTI-SANDINIST
KENYA
VOICE OF KENYA
Nairobi
5kW:DS-GENERAL
VOICE OF KENYA
Nairobi
M-F:5kW:DS-GENERAL
VOICE OF KENYA
Nairobi
M-Sa:5kW:DS-GENERAL
MALAYSIA
RTM-SARAWAK
Kuching-Stapok
10kW:DS-CHINESE/ENGLISH
PAKISTAN
PAKISTAN BC CORP
Peshawar
10kW:DS
RADIO PAKISTAN
Peshawar
10kW::SAS
PERU
R MADRE DE DIOS
Puerto Maldonado
5kW:DS
4950v
CLANDESTINE (AFRICA)
"A VOZ DA VERDADE"
Pietersburg, S Af
5kW:USB:ANTI-ANGOLA, CUBA
"RADIO UNITA"
Pietersburg, S Af
M/W/F:5kW:USB:UNITA/ANTI-ANGOLA
"RADIO UNITA"
Pietersburg, S Af
Tu/Th/Su:5kW:USB:UNITA/ANTI-ANGOLA
4952v
ANGOLA
ER DA HUILA
Lubango
Alt 5370vkHz:Irr::25kW:DS
4954.7
BRAZIL
RADIO CLUBE
Rondonópolis
2.5kW:DS
RADIO CLUBE
Rondonópolis
M-Sa:2.5kW:DS
RADIO CLUBE
Rondonópolis
Tu-Su:2.5kW:DS
PERU
R CULTURAL AMAUTA
Huanta
1kW:DS-SPANISH, ETC
4955
(con'd)
BRAZIL
RADIO CLUBE
Rondonópolis
2.5kW:DS
RADIO CULTURA
Campos
2.5kW:DS
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH
GERMAN/DEUTSCH
FRENCH/FRANÇAIS
PORTUGUESE/PORTUGUÊS
SPANISH/ESPAÑOL
ARABIC/عربي
RUSSIAN/РУССКИЙ
CHINESE/中文
JAPANESE/日本語
MULTILINGUAL
OTHER
SUMMER ONLY (J)
WINTER ONLY (D)
JAMMING ⋀⋀ or /
FADE-IN
FADE-OUT
+ TENTATIVE


Frequency (kHz)
COUNTRY
STATION
Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
4955 (con'd)
BRAZIL
RADIO CULTURA
Campos
Irr:M-Sa:2.5kW:DS
RADIO CULTURA
Campos
M-Sa:2.5kW:DS
RADIO MARAJOARA
Belém
10kW:DS
4955v
INDONESIA
R REP INDONESIA
Banda Aceh
Alternative Frequency to 3904.8kHz
4957.5
USSR
AZERBAIJANI RADIO
Baku
50kW:DS-2
4960
CHINA (PR)
RADIO BEIJING
Kunming
50kW::EAS
ECUADOR
RADIO FEDERACION
Sucúa
5kW:DS-SPANISH, ETC
RADIO FEDERACION
Sucúa
M-W:5kW:DS-SPANISH, ETC
RADIO FEDERACION
Sucúa
Tu-Su:5kW:DS-SPANISH, ETC
INDIA
ALL INDIA RADIO
Ranchi
10kW:DS
4960.2
PERU
RADIO LA MERCED
La Merced
Tu-Su:0.5kW:DS
RADIO LA MERCED
La Merced
0.5kW:DS
4965
BRAZIL
RADIO ALVORADA
Parintins
5kW:DS
TRIANGULO MINEIRO
Uberaba
Irr::5kW:DS
NAMIBIA
SW AFRICA BC CORP
Windhoek
100kW:DS-2/ENG, GER, ETC
4965v
BOLIVIA
RADIO JUAN XXIII
San Ignacio Velasc
M-Sa:3kW:DS
RADIO JUAN XXIII
San Ignacio Velasc
3kW:DS
RADIO JUAN XXIII
San Ignacio Velasc
Irr:M-Sa:3kW:DS
RADIO JUAN XXIII
San Ignacio Velasc
Su:3kW:DS
RADIO JUAN XXIII
San Ignacio Velasc
Irr:Su:3kW:DS
BRAZIL
RADIO POTI
Natal
1kW:DS
4965.7
PERU
LA VOZ DE CUTERVO
Cutervo
0.7kW:DS
4968
SRI LANKA
SRI LANKA BC CORP
Colombo
10kW:DS-EDUC/TAMIL
4969.7
ANGOLA
ER DA CABINDA
Cabinda
Irr::1kW:DS
4970
CHINA (PR)
CENTRAL PEOPLES BS
Urümqi
50kW:DS-MINORITIES
RADIO BEIJING
Urümqi
50kW:(D):RUSSR
XINJIANG PBS
Urümqi
50kW:DS-KAZAKH
MALAYSIA
RTM-KOTA KINABALU
Kota Kinabalu
10kW:DS-MALAY/ENGLISH
VENEZUELA
RADIO RUMBOS
Caracas
10kW:DS
RADIO RUMBOS
Caracas
M-Sa:10kW:DS
RADIO RUMBOS
Caracas
Tu-Su:10kW:SA
4971.2
CAMEROON
R NAT DU CAMEROUN
Yaoundé
30kW:DS
R NAT DU CAMEROUN
Yaoundé
M-Sa:30kW:DS
R NAT DU CAMEROUN
Yaoundé
M-Su:30kW:DS
R NAT DU CAMEROUN
Yaoundé
Su:30kW:DS
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH
GERMAN/DEUTSCH
FRENCH/FRANÇAIS
PORTUGUESE/PORTUGUÊS
SPANISH/ESPAÑOL
ARABIC/عربي
RUSSIAN/РУССКИЙ
CHINESE/中文
JAPANESE/日本語
MULTILINGUAL
OTHER
SUMMER ONLY (J)
WINTER ONLY (D)
JAMMING
or /
FADE-IN
FADE-OUT
+ TENTATIVE


Frequency (kHz)
COUNTRY
STATION
Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
4975
BRAZIL
RADIO TIMBIRA
São Luís
2.5kW:DS
CHINA (PR)
FUJIAN PEOPLES BS
Jianyang
10kW:REG DS-1/TAIWAN SV
PERU
RADIO DEL PACIFICO
Lima
4kW:DS
RADIO DEL PACIFICO
Lima
Tu-Su:4kW:DS
USSR
RADIO DUSHANBE
Dushanbé
50kW::SAS
RADIO MOSCOW/RP&P
Dushanbé
50kW::SAS
TADZHIK RADIO
Dushanbé
50kW:DS-2
4975.2
COLOMBIA
ONDAS ORTEGUAZA
Florencia
Irr::1kW:DS-TODELAR
ONDAS ORTEGUAZA
Florencia
1kW:DS-TODELAR
4976
BRAZIL
RADIO IGUATEMI
Osasco
1kW:DS
RADIO IGUATEMI
Osasco
M-Sa:1kW:DS
4977v
CLANDESTINE (AFRICA)
"VO BROAD MASSES"
Rebel-held Ethiopi
PLF OF ERITREA:EAF
"VO THE TIGRE REV"
Rebel-held Ethiopi
Tu/Th/Su::PLF OF TIGRE:EAF
ECUADOR
RADIO TARQUI
Quito
3kW:DS
4980
BOLIVIA
R BATALLON TOPATER
Oruro
5kW:DS
R BATALLON TOPATER
Oruro
M-Sa:5kW:DS
R BATALLON TOPATER
Oruro
Tu-Su:5kW:DS
CHINA (PR)
VO THE STRAIT-PLA
Fuzhou
SFR:2X2490KHZ
XINJIANG PBS
Nanjing, Jiangsu
5kW:FEEDS URUMQI DS-M
SAUDI ARABIA
BS OF THE KINGDOM
Ad Dir'iyah
100kW:DS:ME
BS OF THE KINGDOM
Ad Dir'iyah
Su:100kW:DS:ME
BS OF THE KINGDOM
Riyadh
350kW:DS:ME
BS OF THE KINGDOM
Riyadh
Su-F:350kW:DS:ME
SWAZILAND
SWAZI COMMERCIAL R
Sandlane
Su:100kW:ENGLISH, ETC:SAF
SWAZI COMMERCIAL R
Sandlane
M-F:100kW:PARALELO 27:SAF
SWAZI COMMERCIAL R
Sandlane
Su:100kW:TRURO-ENGLISH, ETC:SAF
VENEZUELA
ECOS DEL TORBES
San Cristóbal
10kW:DS
ECOS DEL TORBES
San Cristóbal
Irr::10kW:DS
ECOS DEL TORBES
San Cristóbal
M-Sa:10kW:DS
4980v
IRAN
VO THE ISLAMIC REP
Tehrān
Alternative Frequency to 4990vkHz
PAKISTAN
AZAD KASHMIR RADIO
Islamabad
10kW:DS
4980.6
ECUADOR
ONDAS AZUAYAS
Cuenca
Irr::10kW:DS
4983v
UNIDENTIFIED
Asia
4985
BRAZIL
R BRASIL CENTRAL
Goiânia
10kW:DS
MALAYSIA
RADIO MALAYSIA
Kajang
10kW:DS-ENGLISH
(con'd)
ENGLISH
GERMAN/DEUTSCH
FRENCH/FRANÇAIS
PORTUGUESE/PORTUGUÊS
SPANISH/ESPAÑOL
ARABIC/عربي
RUSSIAN/РУССКИЙ
CHINESE/中文
JAPANESE/日本語
MULTILINGUAL
OTHER
SUMMER ONLY (J)
WINTER ONLY (D)
JAMMING
FADE-IN
FADE-OUT
+ TENTATIVE


Frequency (kHz)
COUNTRY
STATION
Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
4985 (con'd)
MALAYSIA
RADIO MALAYSIA
Kajang
Sa-Th:10kW:DS-ENGLISH
4986v
MOZAMBIQUE
+RADIO MOCAMBIQUE
Maputo
DS
4990
BOLIVIA
RADIO BENI
Magdalena
RADIO BENI
Magdalena
Irr::0.5kW:DS
0.5kW:DS
CHINA (PR)
HUNAN PEOPLES BS
Changsha
10kW:DS
ECUADOR
RADIO BAHA'I
Otavalo
5kW:DS
NIGERIA
RADIO NIGERIA
Lagos
20kW:DS-1/ENGLISH, ETC
SOUTH AFRICA
RADIO RSA
Meyerton
250kW::SAF/CAF
URUGUAY
RADIO PAYSANDU
Paysandú
Irr:::DS
USSR
ARMENIAN RADIO
Yerevan
RADIO YEREVAN
Yerevan
50kW:DS-1
50kW::ME
VENEZUELA
RADIO BARQUISIMETO
Barquisimeto
15kW:DS
4990v
IRAN
VO THE ISLAMIC REP
Tehrān
VO THE ISLAMIC REP
Tehrān
Alt 4980vkHz:100kW::ME
Alt 4980vkHz:Irr::100kW::ME
PERU
RADIO ANCASH
Huáraz
RADIO ANCASH
Huáraz
RADIO ANCASH
Huáraz
3/10kW:DS
M-Sa:3/10kW:DS
Su:3/10kW:DS/ENGLISH,SPANISH
4991
BOLIVIA
RADIO ANIMAS
Chocaya
RADIO ANIMAS
Chocaya
RADIO ANIMAS
Chocaya
M-Sa:1kW:DS
1kW:DS
Irr:Su:1kW:DS
4995v
MONGOLIA
RADIO MOSCOW/RP&P
Choibalsan
RADIO ULAN BATOR
Choibalsan
RADIO ULAN BATOR
Choibalsan
RADIO ULAN BATOR
Choibalsan
12kW::EAS
12kW:DS-1
Tu/F:12kW::EUSSR
Sa-M/W/Th:12kW:DS-1
4995.7
PERU
RADIO ANDINA
Huancayo
RADIO ANDINA
Huancayo
RADIO ANDINA
Huancayo
RADIO ANDINA
Huancayo
1kW:DS
Irr::1kW:DS
M-Sa:1kW:DS
Tu-Su:1kW:DS
5004v
EQUATORIAL GUINEA
RADIO NACIONAL
Batá
Alternative Frequency to 4925.6kHz
5005
MALAYSIA
RTM-SARAWAK
Sibu
RTM-SARAWAK
Sibu
Sa:10kW:DS-VERNACULAR
10kW:DS-VERNACULAR
NEPAL
RADIO NEPAL
Harriharpur
RADIO NEPAL
Harriharpur
100kW::AS
100kW:DS-2
5005.5
BOLIVIA
RADIO CRISTAL
La Paz
RADIO CRISTAL
La Paz
1kW:DS
Tu-Su:1kW:DS
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH
GERMAN/DEUTSCH
FRENCH/FRANÇAIS
PORTUGUESE/PORTUGUÊS
SPANISH/ESPAÑOL
ARABIC/عربي
RUSSIAN/РУССКИЙ
CHINESE/中文
JAPANESE/日本語
MULTILINGUAL
OTHER
SUMMER ONLY (J)
WINTER ONLY (D)
JAMMING
FADE-IN
FADE-OUT
+ TENTATIVE


Frequency (kHz)
COUNTRY
STATION
Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
5005.7
SURINAME
STICHTING R OMROEP
Paramaribo
Irr::0.35kW:DS
5007v
PAKISTAN
PAKISTAN BC CORP
Rawalpindi
10kW:DS
PAKISTAN BC CORP
Rawalpindi
F:10kW:DS
PERU
RADIO ECO
Iquitos
1kW:DS
5010
CAMEROON
RADIO GAROUA
Garoua
Irr::100kW:DS
RADIO GAROUA
Garoua
Irr:M-Sa:100kW:DS
RADIO GAROUA
Garoua
Irr:Su:100kW:DS
CHINA (PR)
GUANGXI PEOPLES BS
Nanning
10kW:DS-2
COLOMBIA
CULT SURCOLOMBIANA
Neiva
Irr::2.5kW:DS-VERY IRR
SINGAPORE
SINGAPORE BC CORP
Seletar
50kW:DS-ENGLISH
5010v
MADAGASCAR
RADIO MADAGASIKARA
Antananarivo
100kW:DS
5015
BRAZIL
RADIO COPACABANA
São Gonçalo
1kW:DS
RADIO COPACABANA
São Gonçalo
Irr::1kW:DS
RADIO CULTURA
Cuiabá
5kW:DS
RADIO PIONEIRA
Teresina
1kW:DS
USSR
ARKHANGELSK RADIO
Arkhangelsk
50kW:DS
PRIMORSK RADIO
Vladivostok
50kW:DS
PRIMORSK RADIO
Vladivostok
Irr::50kW:DS
RADIO TIKHIY OKEAN
Vladivostok
50kW:MARINERS:PAC
5015v
CLANDESTINE (AFRICA)
"RADIO TRUTH"
Pietersburg, S Af
Irr::5kW:USB:ANTI-ZIMBABWE(FEEDER)
ECUADOR
ESCUELAS R'FONICAS
Riobamba
10kW:DS
ESCUELAS R'FONICAS
Riobamba
Irr::10kW:DS
5020
BOLIVIA
CUARTO CENTENARIO
Tupiza
0.25kW:DS
CUARTO CENTENARIO
Tupiza
Irr::0.25kW:DS
CHINA (PR)
JIANGXI PEOPLES BS
Nanchang
10kW:DS
SOLOMON IS
SOLOMON ISLANDS BC
Honiara
10kW:DS-ENGLISH, ETC
SOLOMON ISLANDS BC
Honiara
Irr::10kW:DS-ENGLISH, ETC
SRI LANKA
SRI LANKA BC CORP
Colombo
10kW:DS-TAMIL NATIONAL
VENEZUELA
RADIO NACIONAL
Caracas
1kW:DS
RADIO NACIONAL
Caracas
Irr::1kW:DS
5020v
ALBANIA
RTV SHQIPTAR
Gjirokastër
15kW:DS
5020.5
NIGER
ORT DU NIGER
Niamey
20kW:DS
ORT DU NIGER
Niamey
Sa:20kW:DS
ORT DU NIGER
Niamey
Sa/Su:20kW:DS
ORT DU NIGER
Niamey
Su:20kW:DS
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH
GERMAN/DEUTSCH
FRENCH/FRANÇAIS
PORTUGUESE/PORTUGUÊS
SPANISH/ESPAÑOL
ARABIC/
RUSSIAN/РУССКИЙ
CHINESE/
JAPANESE/
MULTILINGUAL
OTHER
SUMMER ONLY (J)
WINTER ONLY (D)
JAMMING or /
FADE-IN
FADE-OUT
+ TENTATIVE


Frequency (kHz)
COUNTRY STATION Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
5025
BRAZIL
R TRANSAMAZONICA
Altamira
5kW:DS
RADIO BORBOREMA
Campina Grande
1kW:DS
RADIO BORBOREMA
Campina Grande
Irr::1kW:DS
CUBA
RADIO REBELDE
Havana
Irr::10kW:DS:AM
5025.6
ECUADOR
RADIO SPLENDIT
Cuenca
Irr::3kW:DS-VERY IRR
5027v
UGANDA
RADIO UGANDA
Kampala
20kW:DS
RADIO UGANDA
Kampala
M-F:20kW:DS
RADIO UGANDA
Kampala
M-Sa:20kW:DS
5030
CHINA (PR)
CENTRAL PEOPLES BS
Xi'an
10kW:DS-2
CENTRAL PEOPLES BS
Xi'an
Sa:10kW:DS-2
CENTRAL PEOPLES BS
Xi'an
Su-F:10kW:DS-2
MALAYSIA
RTM-SARAWAK
Kuching-Stapok
10kW:DS-BIDAYUTH
VENEZUELA
RADIO CONTINENTE
Caracas
15kW:DS
RADIO CONTINENTE
Caracas
Irr::15kW:DS
5030.2
PERU
RADIO LOS ANDES
Huamachuco
Irr::1kW:DS
RADIO LOS ANDES
Huamachuco
Irr:Su:1kW:DS
5035
AUSTRIA
SCHULUNGSSENDER
Vienna
10kW:DS-ARMY TRAINING
BRAZIL
R EDUCACAO RURAL
Coarí
Alternative Frequency to 2490kHz
RADIO APARECIDA
Aparecida
2.5kW:DS
USSR
KAZAKH RADIO
Alma-Ata
50kW:DS-2
RADIO ALMA-ATA
Alma-Ata
50kW:(D):AS
RADIO MOSCOW/RP&P
Alma-Ata
50kW::AS
RADIO TASHKENT
Alma-Ata
50kW::AS
RADIO TASHKENT
Alma-Ata
50kW:(D):AS
5035v
CENTRAL AFRICAN REP
RTV CENTRAFRICAINE
Bangui
100kW:DS
5038.7
SUDAN
RADIO OMDURMAN
Omdurman
20kW:DS-ARABIC, ENGLISH
5039v
ECUADOR
LA VOZ DEL UPANO
Macas
0.01kW:DS
LA VOZ DEL UPANO
Macas
Irr:::DS
5039.7
PERU
RADIO LIBERTAD
Junín
1kW:DS
RADIO LIBERTAD
Junín
Irr::1kW:DS
5040
CHINA (PR)
FUJIAN PEOPLES BS
Fuzhou
10kW:REG DS-1/TAIWAN SV
GUINEA-BISSAU
RADIO NACIONAL
Bissau
Alternative Frequency to 5475.5kHz
USSR
GEORGIAN RADIO
Tbilisi
50kW:DS-1
VENEZUELA
RADIO MATURIN
Maturín
Irr::10kW:DS
5041v
USSR
PRIMORSK RADIO
Irr:::DS-VERY IRR
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH
GERMAN/DEUTSCH
FRENCH/FRANÇAIS
PORTUGUESE/PORTUGUÊS
SPANISH/ESPAÑOL
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RUSSIAN/РУССКИЙ
CHINESE/中文
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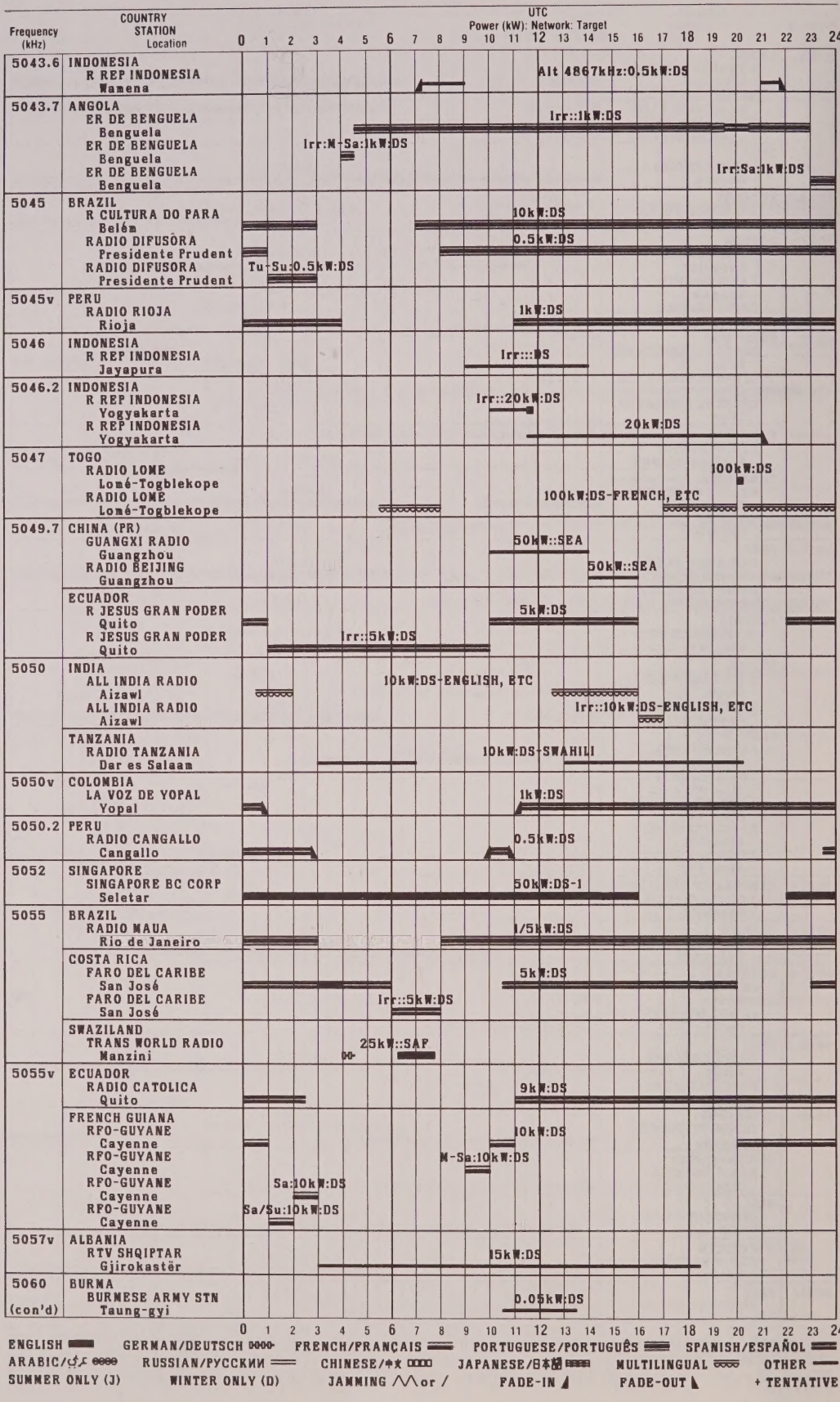
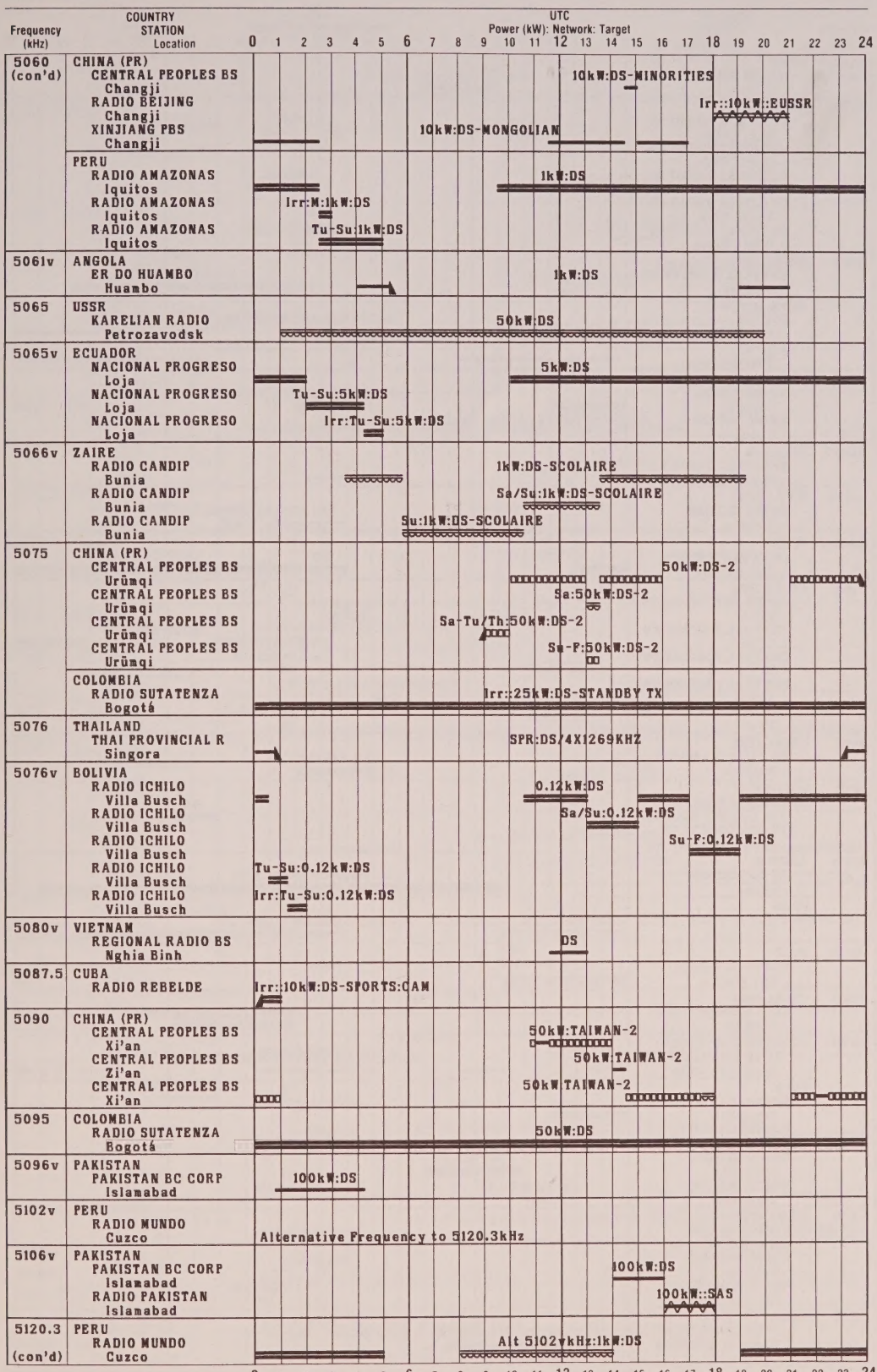
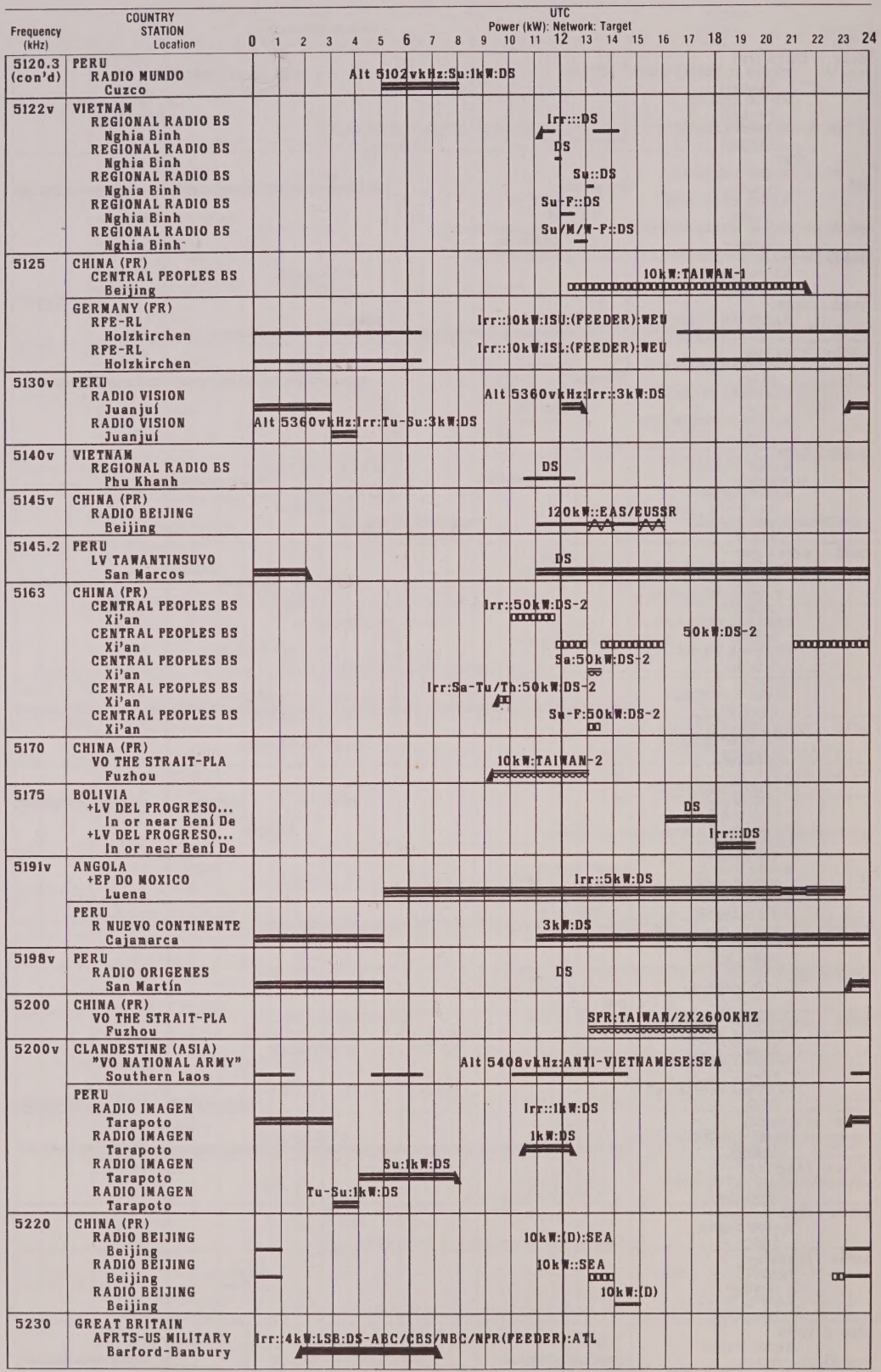
MULTILINGUAL
OTHER
SUMMER ONLY (J)
WINTER ONLY (D)
JAMMING
or /
FADE-IN
FADE-OUT
+ TENTATIVE


Frequency (kHz)
COUNTRY STATION Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
5043.6 INDONESIA R REP INDONESIA Wamena
Alt 4867kHz:0.5kW:DS
5043.7 ANGOLA ER DE BENGUELA Benguela
Irr::1kW:DS
ER DE BENGUELA Benguela
Irr:M-Sa:1kW:DS
ER DE BENGUELA Benguela
Irr:Sa:1kW:DS
5045 BRAZIL R CULTURA DO PARA Belém
10kW:DS
RADIO DIFUSORA Presidente Prudent
0.5kW:DS
RADIO DIFUSORA Presidente Prudent
Tu-Su:0.5kW:DS
5045v PERU RADIO RIOJA Rioja
1kW:DS
5046 INDONESIA R REP INDONESIA Jayapura
Irr:::DS
5046.2 INDONESIA R REP INDONESIA Yogyakarta
Irr::20kW:DS
R REP INDONESIA Yogyakarta
20kW:DS
5047 TOGO RADIO LOME Lomé-Togblekope
100kW:DS
RADIO LOME Lomé-Togblekope
100kW:DS-FRENCH, ETC
5049.7 CHINA (PR) GUANGXI RADIO Guangzhou
50kW::SEA
RADIO BEIJING Guangzhou
50kW::SEA
ECUADOR R JESUS GRAN PODER Quito
5kW:DS
R JESUS GRAN PODER Quito
Irr::5kW:DS
5050 INDIA ALL INDIA RADIO Aizawl
10kW:DS-ENGLISH, ETC
ALL INDIA RADIO Aizawl
Irr::10kW:DS-ENGLISH, ETC
TANZANIA RADIO TANZANIA Dar es Salaam
10kW:DS+SWAHILI
5050v COLOMBIA LA VOZ DE YOPAL Yopal
1kW:DS
5050.2 PERU RADIO CANGALLO Cangallo
0.5kW:DS
5052 SINGAPORE SINGAPORE BC CORP Seletar
50kW:DS-1
5055 BRAZIL RADIO MAUA Rio de Janeiro
1/5kW:DS
COSTA RICA FARO DEL CARIBE San José
5kW:DS
FARO DEL CARIBE San José
Irr::5kW:DS
SWAZILAND TRANS WORLD RADIO Manzini
25kW::SAF
5055v ECUADOR RADIO CATOLICA Quito
9kW:DS
FRENCH GUIANA RFO-GUYANE Cayenne
10kW:DS
RFO-GUYANE Cayenne
M-Sa:10kW:DS
RFO-GUYANE Cayenne
Sa:10kW:DS
RFO-GUYANE Cayenne
Sa/Su:10kW:DS
5057v ALBANIA RTV SHQIPTAR Gjirokastër
15kW:DS
5060 (con'd) BURMA BURMESE ARMY STN Taung-gyi
0.05kW:DS
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH GERMAN/DEUTSCH FRENCH/FRANÇAIS PORTUGUESE/PORTUGUÊS SPANISH/ESPAÑOL
ARABIC/عربي RUSSIAN/РУССКИЙ CHINESE/中文 JAPANESE/日本語 MULTILINGUAL OTHER
SUMMER ONLY (J) WINTER ONLY (D) JAMMING or / FADE-IN FADE-OUT + TENTATIVE


Frequency (kHz)
COUNTRY STATION Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
5060 (con'd)
CHINA (PR)
CENTRAL PEOPLES BS Changji
RADIO BEIJING Changji
XINJIANG PBS Changji
10kW:DS-MINORITIES
Irr::10kW::EUSSR
10kW:DS-MONGOLIAN
PERU
RADIO AMAZONAS Iquitos
RADIO AMAZONAS Iquitos
RADIO AMAZONAS Iquitos
1kW:DS
Irr:M:1kW:DS
Tu-Su:1kW:DS
5061v
ANGOLA
ER DO HUAMBO Huambo
1kW:DS
5065
USSR
KARELIAN RADIO Petrozavodsk
50kW:DS
5065v
ECUADOR
NACIONAL PROGRESO Loja
NACIONAL PROGRESO Loja
NACIONAL PROGRESO Loja
5kW:DS
Tu-Su:5kW:DS
Irr:Tu-Su:5kW:DS
5066v
ZAIRE
RADIO CANDIP Bunia
RADIO CANDIP Bunia
RADIO CANDIP Bunia
1kW:DS-SCOLAIRE
Sa/Su:1kW:DS-SCOLAIRE
Su:1kW:DS-SCOLAIRE
5075
CHINA (PR)
CENTRAL PEOPLES BS Urümqi
CENTRAL PEOPLES BS Urümqi
CENTRAL PEOPLES BS Urümqi
CENTRAL PEOPLES BS Urümqi
50kW:DS-2
Sa:50kW:DS-2
Sa-Tu/Th:50kW:DS-2
Su-F:50kW:DS-2
COLOMBIA
RADIO SUTATENZA Bogotá
Irr::25kW:DS-STANDBY TX
5076
THAILAND
THAI PROVINCIAL R Singora
SPR:DS/4X1269KHZ
5076v
BOLIVIA
RADIO ICHILO Villa Busch
RADIO ICHILO Villa Busch
RADIO ICHILO Villa Busch
RADIO ICHILO Villa Busch
RADIO ICHILO Villa Busch
0.12kW:DS
Sa/Su:0.12kW:DS
Su-F:0.12kW:DS
Tu-Su:0.12kW:DS
Irr:Tu-Su:0.12kW:DS
5080v
VIETNAM
REGIONAL RADIO BS Nghia Binh
DS
5087.5
CUBA
RADIO REBELDE
Irr::10kW:DS-SPORTS:CAM
5090
CHINA (PR)
CENTRAL PEOPLES BS Xi'an
CENTRAL PEOPLES BS Zi'an
CENTRAL PEOPLES BS Xi'an
50kW:TAIWAN-2
50kW:TAIWAN-2
50kW:TAIWAN-2
5095
COLOMBIA
RADIO SUTATENZA Bogotá
50kW:DS
5096v
PAKISTAN
PAKISTAN BC CORP Islamabad
100kW:DS
5102v
PERU
RADIO MUNDO Cuzco
Alternative Frequency to 5120.3kHz
5106v
PAKISTAN
PAKISTAN BC CORP Islamabad
RADIO PAKISTAN Islamabad
100kW:DS
100kW::SAS
5120.3 (con'd)
PERU
RADIO MUNDO Cuzco
Alt 5102kHz:1kW:DS
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH
GERMAN/DEUTSCH
FRENCH/FRANÇAIS
PORTUGUESE/PORTUGUÊS
SPANISH/ESPAÑOL
ARABIC/عربي
RUSSIAN/РУССКИЙ
CHINESE/中文
JAPANESE/日本語
MULTILINGUAL
OTHER
SUMMER ONLY (J)
WINTER ONLY (D)
JAMMING
FADE-IN
FADE-OUT
+ TENTATIVE


Frequency (kHz)
COUNTRY
STATION
Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
5120.3 (con'd)
PERU
RADIO MUNDO
Cuzco
Alt 5102vkHz:Su:1kW:DS
5122v
VIETNAM
REGIONAL RADIO BS
Nghia Binh
Irr:::DS
DS
Su::DS
Su-F::DS
Su/M/W-F::DS
5125
CHINA (PR)
CENTRAL PEOPLES BS
Beijing
10kW:TAIWAN-1
GERMANY (FR)
RFE-RL
Holzkirchen
Irr::10kW:ISU:(FEEDER):WEU
Irr::10kW:ISL:(FEEDER):WEU
5130v
PERU
RADIO VISION
Juanjuí
Alt 5360vkHz:Irr::3kW:DS
Alt 5360vkHz:Irr:Tu-Su:3kW:DS
5140v
VIETNAM
REGIONAL RADIO BS
Phu Khanh
DS
5145v
CHINA (PR)
RADIO BEIJING
Beijing
120kW::EAS/EUSSR
5145.2
PERU
LV TAWANTINSUYO
San Marcos
DS
5163
CHINA (PR)
CENTRAL PEOPLES BS
Xi'an
Irr::50kW:DS-2
50kW:DS-2
Sa:50kW:DS-2
Irr:Sa-Tu/Th:50kW:DS-2
Su-F:50kW:DS-2
5170
CHINA (PR)
VO THE STRAIT-PLA
Fuzhou
10kW:TAIWAN-2
5175
BOLIVIA
+LV DEL PROGRESO...
In or near Beni De
DS
Irr:::DS
5191v
ANGOLA
+EP DO MOXICO
Luena
Irr::5kW:DS
PERU
R NUEVO CONTINENTE
Cajamarca
3kW:DS
5198v
PERU
RADIO ORIGENES
San Martín
DS
5200
CHINA (PR)
VO THE STRAIT-PLA
Fuzhou
SPR:TAIWAN/2X2600KHZ
5200v
CLANDESTINE (ASIA)
"VO NATIONAL ARMY"
Southern Laos
Alt 5408vkHz:ANTI-VIETNAMESE:SEA
PERU
RADIO IMAGEN
Tarapoto
Irr::1kW:DS
1kW:DS
Su:1kW:DS
Tu-Su:1kW:DS
5220
CHINA (PR)
RADIO BEIJING
Beijing
10kW:(D):SEA
10kW::SEA
10kW:(D)
5230
GREAT BRITAIN
AFRTS-US MILITARY
Barford-Banbury
Irr::4kW:LSB:DS-ABC/CBS/NBC/NPR(FEEDER):ATL
ENGLISH
GERMAN/DEUTSCH
FRENCH/FRANÇAIS
PORTUGUESE/PORTUGUÊS
SPANISH/ESPAÑOL
ARABIC/عربي
RUSSIAN/РУССКИЙ
CHINESE/中文
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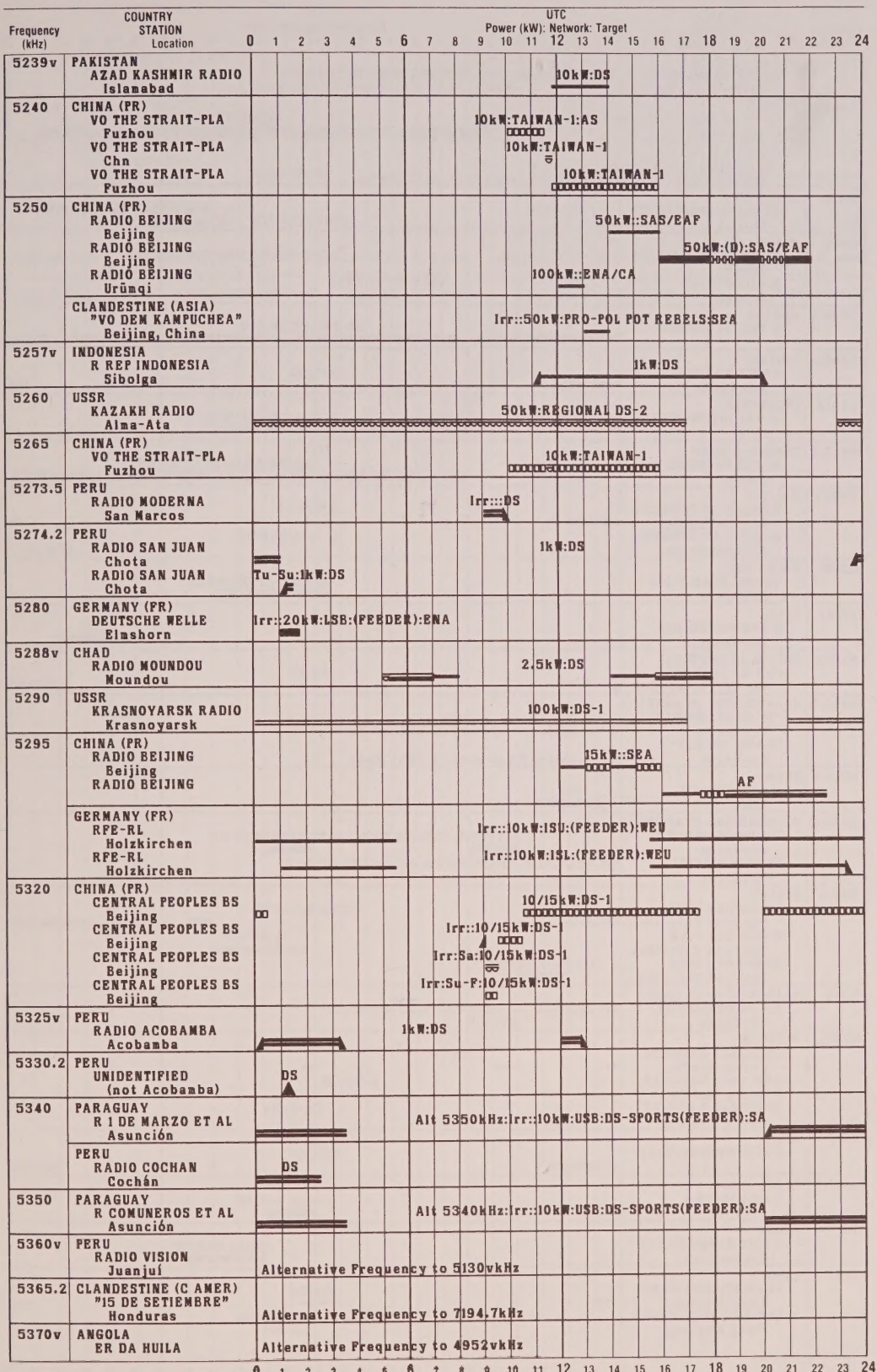
MULTILINGUAL
OTHER
SUMMER ONLY (J)
WINTER ONLY (D)
JAMMING
FADE-IN
FADE-OUT
+ TENTATIVE


Frequency (kHz)
COUNTRY
STATION
Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
5239v
PAKISTAN
AZAD KASHMIR RADIO
Islamabad
10kW:DS
5240
CHINA (PR)
VO THE STRAIT-PLA
Fuzhou
10kW:TAIWAN-1:AS
VO THE STRAIT-PLA
Chn
10kW:TAIWAN-1
VO THE STRAIT-PLA
Fuzhou
10kW:TAIWAN-1
5250
CHINA (PR)
RADIO BEIJING
Beijing
50kW::SAS/EAF
RADIO BEIJING
Beijing
50kW:(D):SAS/EAF
RADIO BEIJING
Urümqi
100kW::ENA/CA
CLANDESTINE (ASIA)
"VO DEM KAMPUCHEA"
Beijing, China
Irr::50kW:PRO-POL POT REBELS:SEA
5257v
INDONESIA
R REP INDONESIA
Sibolga
1kW:DS
5260
USSR
KAZAKH RADIO
Alma-Ata
50kW:REGIONAL DS-2
5265
CHINA (PR)
VO THE STRAIT-PLA
Fuzhou
10kW:TAIWAN-1
5273.5
PERU
RADIO MODERNA
San Marcos
Irr:::DS
5274.2
PERU
RADIO SAN JUAN
Chota
1kW:DS
RADIO SAN JUAN
Chota
Tu-Su:1kW:DS
5280
GERMANY (FR)
DEUTSCHE WELLE
Elmshorn
Irr::20kW:LSB:(FEEDER):ENA
5288v
CHAD
RADIO MOUNDOU
Moundou
2.5kW:DS
5290
USSR
KRASNOYARSK RADIO
Krasnoyarsk
100kW:DS-1
5295
CHINA (PR)
RADIO BEIJING
Beijing
15kW::SEA
RADIO BEIJING
AF
GERMANY (FR)
RFE-RL
Holzkirchen
Irr::10kW:ISU:(FEEDER):WEU
RFE-RL
Holzkirchen
Irr::10kW:ISL:(FEEDER):WEU
5320
CHINA (PR)
CENTRAL PEOPLES BS
Beijing
10/15kW:DS-1
CENTRAL PEOPLES BS
Beijing
Irr::10/15kW:DS-1
CENTRAL PEOPLES BS
Beijing
Irr:Sa:10/15kW:DS-1
CENTRAL PEOPLES BS
Beijing
Irr:Su-F:10/15kW:DS-1
5325v
PERU
RADIO ACOBAMBA
Acobamba
1kW:DS
5330.2
PERU
UNIDENTIFIED
(not Acobamba)
DS
5340
PARAGUAY
R 1 DE MARZO ET AL
Asunción
Alt 5350kHz:Irr::10kW:USB:DS-SPORTS(FEEDER):SA
PERU
RADIO COCHAN
Cochán
DS
5350
PARAGUAY
R COMUNEROS ET AL
Asunción
Alt 5340kHz:Irr::10kW:USB:DS-SPORTS(FEEDER):SA
5360v
PERU
RADIO VISION
Juanjuí
Alternative Frequency to 5130vkHz
5365.2
CLANDESTINE (C AMER)
"15 DE SETIEMBRE"
Honduras
Alternative Frequency to 7194.7kHz
5370v
ANGOLA
ER DA HUILA
Alternative Frequency to 4952vkHz
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH
GERMAN/DEUTSCH
FRENCH/FRANÇAIS
PORTUGUESE/PORTUGUÊS
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RUSSIAN/РУССКИЙ
CHINESE/
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MULTILINGUAL
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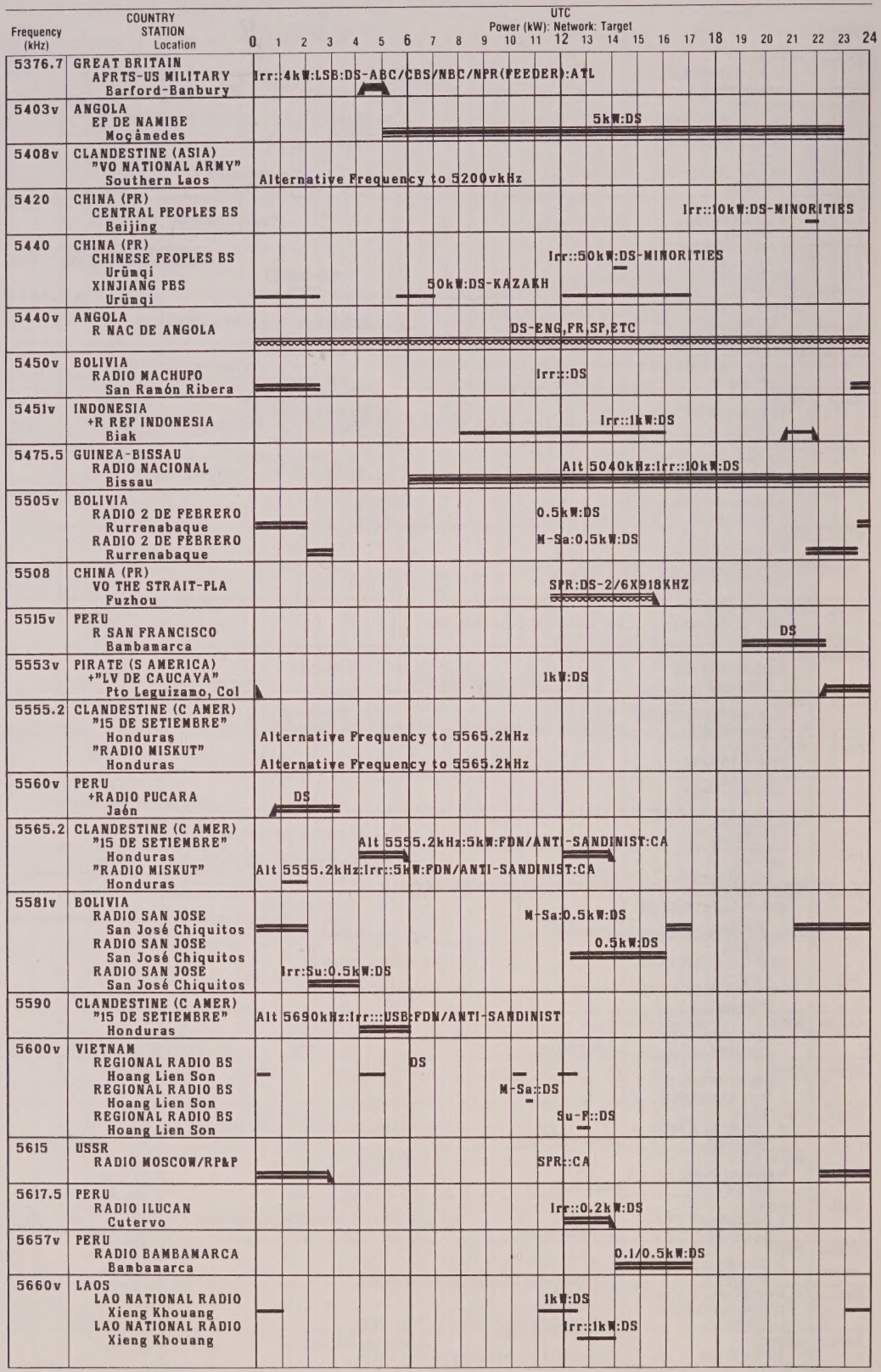
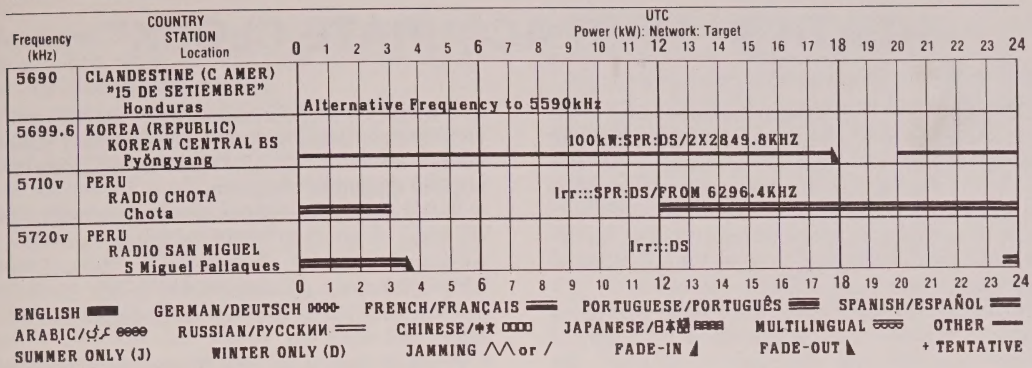
+ TENTATIVE


Frequency (kHz)
COUNTRY STATION Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
5376.7 GREAT BRITAIN AFRTS-US MILITARY Barford-Banbury
Irr::4kW:LSB:DS-ABC/CBS/NBC/NPR(FEEDER):ATL
5403v ANGOLA EP DE NAMIBE Moçâmedes
5kW:DS
5408v CLANDESTINE (ASIA) "VO NATIONAL ARMY" Southern Laos
Alternative Frequency to 5200vkHz
5420 CHINA (PR) CENTRAL PEOPLES BS Beijing
Irr::10kW:DS-MINORITIES
5440 CHINA (PR) CHINESE PEOPLES BS Urŭmqi XINJIANG PBS Urŭmqi
Irr::50kW:DS-MINORITIES
50kW:DS-KAZAKH
5440v ANGOLA R NAC DE ANGOLA
DS-ENG,FR,SP,ETC
5450v BOLIVIA RADIO MACHUPO San Ramón Ribera
Irr::DS
5451v INDONESIA +R REP INDONESIA Biak
Irr::1kW:DS
5475.5 GUINEA-BISSAU RADIO NACIONAL Bissau
Alt 5040kHz:Irr::10kW:DS
5505v BOLIVIA RADIO 2 DE FEBRERO Rurrenabaque RADIO 2 DE FEBRERO Rurrenabaque
0.5kW:DS
M-Sa:0.5kW:DS
5508 CHINA (PR) VO THE STRAIT-PLA Fuzhou
SPR:DS-2/6X918KHZ
5515v PERU R SAN FRANCISCO Bambamarca
DS
5553v PIRATE (S AMERICA) +"LV DE CAUCAYA" Pto Leguizamo, Col
1kW:DS
5555.2 CLANDESTINE (C AMER) "15 DE SETIEMBRE" Honduras "RADIO MISKUT" Honduras
Alternative Frequency to 5565.2kHz
Alternative Frequency to 5565.2kHz
5560v PERU +RADIO PUCARA Jaén
DS
5565.2 CLANDESTINE (C AMER) "15 DE SETIEMBRE" Honduras "RADIO MISKUT" Honduras
Alt 5555.2kHz:5kW:FDN/ANTI-SANDINIST:CA
Alt 5555.2kHz:Irr::5kW:FDN/ANTI-SANDINIST:CA
5581v BOLIVIA RADIO SAN JOSE San José Chiquitos RADIO SAN JOSE San José Chiquitos RADIO SAN JOSE San José Chiquitos
M-Sa:0.5kW:DS
0.5kW:DS
Irr:Su:0.5kW:DS
5590 CLANDESTINE (C AMER) "15 DE SETIEMBRE" Honduras
Alt 5690kHz:Irr:::USB:FDN/ANTI-SANDINIST
5600v VIETNAM REGIONAL RADIO BS Hoang Lien Son REGIONAL RADIO BS Hoang Lien Son REGIONAL RADIO BS Hoang Lien Son
DS
M-Sa::DS
Su-F::DS
5615 USSR RADIO MOSCOW/RP&P
SPR::CA
5617.5 PERU RADIO ILUCAN Cutervo
Irr::0.2kW:DS
5657v PERU RADIO BAMBAMARCA Bambamarca
0.1/0.5kW:DS
5660v LAOS LAO NATIONAL RADIO Xieng Khouang LAO NATIONAL RADIO Xieng Khouang
1kW:DS
Irr::1kW:DS
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH GERMAN/DEUTSCH FRENCH/FRANÇAIS PORTUGUESE/PORTUGUÊS SPANISH/ESPAÑOL
ARABIC/عربي RUSSIAN/РУССКИЙ CHINESE/中文 JAPANESE/日本語 MULTILINGUAL OTHER
SUMMER ONLY (J) WINTER ONLY (D) JAMMING or / FADE-IN FADE-OUT + TENTATIVE


Frequency (kHz)
COUNTRY
STATION
Location
UTC
Power (kW): Network: Target
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
5690
CLANDESTINE (C AMER)
"15 DE SETIEMBRE"
Honduras
Alternative Frequency to 5590kHz
5699.6
KOREA (REPUBLIC)
KOREAN CENTRAL BS
Pyŏngyang
100kW:SPR:DS/2X2849.8KHZ
5710v
PERU
RADIO CHOTA
Chota
Irr:::SPR:DS/FROM 6296.4KHZ
5720v
PERU
RADIO SAN MIGUEL
S Miguel Pallaques
Irr:::DS
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
ENGLISH
GERMAN/DEUTSCH
FRENCH/FRANÇAIS
PORTUGUESE/PORTUGUÊS
SPANISH/ESPAÑOL
ARABIC/عربي
RUSSIAN/РУССКИЙ
CHINESE/中文
JAPANESE/日本語
MULTILINGUAL
OTHER
SUMMER ONLY (J)
WINTER ONLY (D)
JAMMING ⋀⋀ or /
FADE-IN
FADE-OUT
+ TENTATIVE

HEATH'S "MOST ACCURATE CLOCK"

Once upon a time, time was measured only in the most imprecise ways. Seasons set forth a time for sowing, a time for reaping; the daily cycle was marked by the rising and setting sun. It was good enough. . .for the times.

But as Man's life became more complex, he developed needs, and ways, to split time into increasingly smaller and more accurate fragments.

Today, time is important to the listener who tunes international broadcasts. With receiver here, sender there— daylight and darkness, of course. . .but when, and where? AM and PM are meaningless terms on a global scale, so shortwave listeners and stations alike favor a 24-hour clock system in which, for example, 2:00 AM becomes 0200 and 2:00 PM, 12 hours later, is 1400. Likewise, noon is 1200 and midnight can be either 2400, as in the end of one day, or 0000, the beginning of the next.

With worldwide broadcasting, a single time standard is used to avoid listener confusion. It is called Coordinated Universal Time (UTC), although traditionalists still prefer the older term, Greenwich Mean Time (GMT). To help North Americans relate to UTC, it is equivalent to Eastern Standard Time plus 5 hours or Eastern Daylight Time plus 4 hours. On the European Continent, UTC is equivalent to Standard Time minus one hour or Summer Time minus two hours. But, wherever you are, you can glean the gap between UTC and your local time by tuning in the BBC or other international broadcaster for the UTC time check at the hour.

Some newer receivers come with a built-in 24-hour digital clock. They're good, but good is a relative term. For example, most radios' clocks don't display exact seconds. How accurate do you want your clock to be?

If the answer is "very", you may be interested in the GCW-1000, which Heath terms the "Most Accurate Clock". It was introduced last year onto the US electronics market by the Heath Company (Benton Harbor MI 49022 USA), known for decades for its popular electronic Heathkits.

HEATHKIT/ZENITH GCW-1000 "MOST ACCURATE CLOCK"

In fact, the GCW-1000 is more than a clock, incorporating shortwave radio, scanner, and microprocessor circuitry. That helps to account for its hefty price: $425 assembled and tested; $249.95 in kit form (GC-1000), with computer output accessory about $50 more.

It works this way. The GCW-1000's shortwave scanner automatically tunes among three shortwave frequencies of the National Bureau of Standards' WWV or WWVH time stations on 5,000, 10,000 and 15,000 kilohertz. It locks in on the time signal, using it to synchronize the clock with the NBS's cesium-atomic time standard. The GCW-1000 thus can maintain time to within 10 milliseconds, and read out time to tenths of a second. It can also feed the time—and date, though it is not displayed—into a computer through a standard RS-232 connector. It's a worthy concept, but works only in those few countries where WWV or WWVH is adequately received.

Should the radio signal fade, the scanner automatically chooses between the other two pre-programmed WWV/WWVH channels to find better reception, then locks in on the new frequency to "correct" the clock's time. If none of the three channels offers strong enough signals, the GCW-1000 relies instead on its own internal time base, a 3.6 MHz oscillator. On such occasions, timekeeping remains reasonably accurate, but something less than "high spec".

But so long as the clock is locked onto WWV, or is able to lock-on fairly frequently—and thus correct itself—timekeeping is superb. For example, it shows that CBS's Philadelphia radio outlet, WCAU-AM with a tape-delayed talk show format, is consistently 7.0 seconds slow in its time announcements and network relays, while its news-format New York flagship station, WCBS-AM, is "spot on".

While decent reception on at least one of the frequencies should be possible at all times in most of North America, the clock's built-in radio is too mediocre even for this pedestrian task. When WWV is coming in well on a regular shortwave set, the receiving section of the Heath clock may not be able to find a suitably strong and clean radio signal to lock onto. That is when "high spec" accuracy slips—a fact indicated by front panel display, so you are not misled as to the degree of time accuracy at any particular moment. At the International Broadcasting Services' Pennsylvania monitoring facility, the "Most Accurate Clock" was usually off by several seconds, and sometimes by as much as 12 seconds.

Additionally—and not mentioned in the user manual— reception of WWV signals on any of the three channels provided is all but impossible in the

Denver area, which is near the station's transmitter site and thus within its "skip zone" in which signals sail overhead largely unheard.

The "Most Accurate Clock" is housed in a nondescript plastic cabinet with a perforated aluminum speaker grille—a modest enclosure considering the cost. Beneath the unit are computer-type controls which attest to its exotic features: switches for 12 or 24-hour clock format, time-delay setting to offset the distance from WWV/WWVH transmitters, UTC1 correction, compensation for the earth's rotational wobble, and daylight savings time adjustment. It can be powered by normal 120V, 60 Hz house current, or by a powerful 12V DC source, since current consumption is fully three-quarters of an ampere.

Presumably because of the heavy current draw, there is no backup battery to keep the clock going during power outages. Even a split-second blackout shuts down the clock, blanking its display for some time—even days—after electricity is restored.

Much more costly alternatives to the Heath GCW-1000 are professional-quality devices which use as a time standard the 3.58 MHz subcarrier color burst or SEMPTE time code on domestic VHF/UHF network television transmissions. Still, Heath's shortwave approach is fundamentally sound. The flaw is not in the concept or in the clock's excellent timekeeping circuitry, but in the marginally-performing radio receiving section.

The price may be steep for a typical shortwave listener whose demand for clock accuracy is modest. But if you want or need very precise time (perhaps for scientific computer applications or local broadcast time announcements), the cost may not be prohibitive. Reportedly vigorous sales of the GCW-1000 to local radio stations suggest this is true.

WORLDWIDE SHORTWAVE BROADCASTING... AT A GLANCE

Which stations broadcast on what frequencies? At what times? To what parts of the world? In which languages? With what transmitter powers?

RADIO DATABASE INTERNATIONAL answers all these questions and more. You'll find page after page of accurate, up-to-date information about all categories of shortwave broadcasting, including independent networks such as the BBC, official government stations, commercial and religious broadcasters, secret clandestine operations, hidden "pirates", broadcast feeders...even illegal jamming transmissions.

This valuable information — most of it gathered firsthand by a worldwide network of expert monitors — is presented in a visually oriented format that's completely different from traditional reference publications. Thanks to a unique combination of innovative computer graphics plus the world's most comprehensive private shortwave databank, you'll find everything you need to know to scan the worldwide shortwave bands...all in one place...all at a glance.

RADIO DATABASE INTERNATIONAL is prepared and issued annually by the radio engineering and frequency-management firm of International Broadcasting Services, Ltd. The *International Broadcasting Edition* (Part I) covers the shortwave spectrum between 5.73 and 26.1 MHz, while the *Tropical Bands Edition* (Part II) covers 2 to 5.73 MHz. In addition, RADIO DATABASE INTERNATIONAL presents authoritative "hands on" and laboratory tests of the latest in shortwave receiving equipment.

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